

Summary: insight into the meaning and usage of words via collocates

- The LLMs usually provide lists of collocates that are more insightful than the corpora, and this is especially true for low-frequency words
- This may be due to the source and structure of the LLM data.
- In terms of the training data, the LLMs are based on *trillions* of words of data, rather than billions of words of data in corpora.
- Perhaps most important is the structure of the neural networks (which are the foundation of large language models) and the way in which deep learning takes place. Both of these rely on the (strength of the) connections between “words” in the model.
- The richness and quality of the collocates from LLMs suggest that their underlying model generates better connections between words than the standard “collocates” model of corpora, which simply look at nearby words.
- But corpora (like those from English-Corpora.org) can probably provide a much richer “word sketch” by including much more than simple collocates, and extensive links between related words

This page provides data regarding collocates in corpora from English-Corpora.org and Sketch Engine, and it compares this to the predictions from two LLMs (large language models) – ChatGPT-4o (from OpenAI; hereafter GPT) and Gemini (from Google). The English-Corpora.org data comes from [iWeb](#), which contains 14 billion words of text. The [Sketch Engine](#) data comes from the 52 billion word “English Web 2021” corpus.

Collocates are words that are near a given “node word”, and they can provide useful information on the meaning and usage of a word. For example, look at the collocates from the 14 billion word [iWeb](#) corpus for the following words: (nouns) [bodice](#), [sprawl](#), [telescope](#), [asthma](#), [kombucha](#), [enzyme](#) (verbs) [evoke](#), [excavate](#), [condense](#), [decode](#) (adjectives) [infrared](#), [rusty](#), [tactile](#), [recyclable](#) (adverbs) [naturally](#), [consciously](#). Ideally, collocates can paint a “word picture” of a node word, such as the collocates *dress, skirt, sleeve, lace, silk, satin, velvet, black, tight, white, fitted, embroidered* for [bodice](#) (see [Google Images](#)). Collocates can also provide insight into our attitudes about something, in ways that go far beyond what a dictionary could provide, such as the collocates for [sprawl](#): *pollution, congestion, rampant, ugly, reduce, curb, prevent* (see [Google Images](#)).

The node words were chosen completely at random. We selected node words whose ID value in the [top 60,000 words in the COCA corpus](#) ended in “55”; for example, words #7255 or #28055. We extracted the collocates for nine **nouns** at different [frequency levels](#), and you can click on these links to see the entries in the pages that follow in this document: [broccoli](#) (#8955), [mantra](#) (9255), [dagger](#) (10355), [festivity](#) (11655), [colander](#) (25155), [parentage](#) (26255), [flavonoid](#) (27155), [sculpin](#) (45855), [intaglio](#) (47755); three **adjectives**: [bubbly](#) (#16055), [hydrothermal](#) (28955), [chewable](#) (46155); and three **verbs**: [swerve](#) (#13755), [redevelop](#) (24855), [underplay](#) (32955).

As you can see from the [GPT](#) and [Gemini](#) transcripts, we didn’t search for and then exclude any words from this document. Every word that we searched for in GPT and Gemini is included here, whether we liked the [GPT](#) and [Gemini](#) data or not. We then searched for the collocates in the Sketch Engine and iWeb corpora. In Sketch Engine, it was the “default” Word Sketch search for each of the 15 words. In iWeb, it was a “collocates” search for each word. Click on any of the following links for the iWeb entry: [broccoli](#), [mantra](#), [dagger](#), [festivity](#), [colander](#), [parentage](#), [flavonoid](#), [sculpin](#), [intaglio](#), [bubbly](#), [hydrothermal](#), [chewable](#), [swerve](#), [redevelop](#), [underplay](#).

The results for each of the 15 words (found on the following pages) show the following information:

Sketch Engine results (the selected columns depend on the part of speech of the node word)	
iWeb results (the selected columns depend on the part of speech of the node word)	
GPT results (table)	Gemini results (table)
GPT results (explanation; generated by GPT)	Gemini results (discussion; generated by Gemini)

Note that for adjective node words, the Sketch Engine and iWeb results are arranged horizontally, rather than vertically (as above)

The following are some of the most important findings about the collocates that were generated by GPT and Gemini.

1. As you can see in the transcripts with [GPT](#) and [Gemini](#), the LLMs are able to understand and process **part of speech** quite well – at least as well as Sketch Engine and iWeb. For example, when we asked adjectival collocates, most of the collocates were actually collocates. And when we asked the LLMs to group the collocates by subject or object, it did that accurately as well. Sketch Engine has more parts of speech and functions for the collocates, but based on our experience with the ones that we did give to the LLMs, we don't have any reason to believe that they couldn't handle these other parts of speech or functions as well.

2. The **LLMs have much richer collocates** than the corpora, and especially much richer than Sketch Engine<sup>1</sup>. This is probably due to the fact that the LLMs are based on *trillions* of words of data, rather than “just” 14-40 billion (as with iWeb and Sketch Engine). For example, *sculpin* in Sketch Engine has only one subject collocate (*inhabit*), whereas GPT has *inhabit, hunt, hide, adapt, thrive, spawn, feed, compete*. And (for *sculpin*) Sketch Engine only has three adjectives (*native, endemic, abundant*), whereas GPT has *small, benthic, native, cold-water, camouflaged, bottom-dwelling, aquatic, freshwater*. Likewise, *colander* has rich collocates in both GPT and Gemini, but very the collocates are quite impoverished in Sketch Engine. Look through the pages that follow to see many other examples of the incredible richness of the collocates in the LLMs.

3. There are **fewer "strange" collocates in the LLMs** than in the corpora, especially Sketch Engine. For example, *dagger* in GPT and Gemini have (respectively) the following noun collocates: (GPT) *blade, sword, weapon, hilt, scabbard, point, edge, steel*; (Gemini) *sheath, blade, knife, sword, wound, heart, hand, threat* – and the words in both of these lists make sense. In Sketch Engine, on the other hand, the noun collocates are *CWA, sword, Flying, F-102, ceremonial, Convair, hilt, Brotherhood, dirk, alif, +2, nematode*. Likewise, the subjects of *redevelop* in GPT are *city, developer, government, company, community, authority, planner, team* (with similar collocates in Gemini), but in Sketch Engine the “subjects” include *soon-to-be, convection, thunderstorm, parcel*. Take a look at the following pages for many more examples of how the collocates from the LLMs relate better to the meaning of a word than the collocates from the corpora, especially the collocates from Sketch Engine.

### AI-generated explanation of collocates

But without a doubt, the **most important difference** between the corpora (Sketch Engine and iWeb) and the LLMs are the **extremely rich explanations of the collocates in the LLMs**. The corpora simply provide a list of collocates, and it is up to the researcher (or student) to be a “junior linguist” and to try to explain what the collocates are actually saying. For a non-native speaker (and especially for language learners at beginning and intermediate levels) this would be very difficult. The LLMs, on the other hand, provide amazingly good

<sup>1</sup> There are also important differences between Sketch Engine and iWeb in terms of the collocates. Perhaps the most readily apparent difference is that the collocates in iWeb typically provides a more basic overview of the meaning of a word than Sketch Engine ([see more](#)). For example, compare the collocates of *dagger*: *sword, cloak, knife, weapon* in iWeb, compared to *CWA, Flying, F-102, and Convair, Brotherhood, dirk, alif* in Sketch Engine. Or for *colander*: *water, bowl, sink, strainer, sieve* in iWeb, compared to *cheesecloth-lined, cloth-lined, Latasha, Borgman* in Sketch Engine.

explanations of what the collocates *mean*, and how they contribute to the overall meaning of the node word. (These are found in the section after the list of collocates, in the pages below).

To appreciate this more fully, **try the following experiment**. Choose one of the words on the following pages. First, take a look at the collocates from the corpora. And then try to come up with a coherent explanation of how the different collocates provide insight into the overall meaning of the word. Only after that should you compare your explanation to the explanation that was provided by GPT or Gemini (in just 2-3 seconds). How did the LLMs do? Extremely well, we predict.

### Summary

In 2025, it is probably **no longer sufficient just to provide lists of collocates from web-based corpora**, and then call this a “word sketch”, and expect to compete with the data from LLMs. This is especially true when LLMs like GPT and Gemini – which have been trained on *trillions* of words of data – provide much better lists of collocates, especially for lower frequency words. And it is even more important when (as seen in the following pages), the LLMs do such an amazing job of explaining the relevance of the individual collocates in terms of the overall meaning of the word.

So how to “compete” with such powerful and insightful LLMs? One way is to **provide the users with data that would be impossible (or very cumbersome) to bring together in the LLMs**. For example, the corpora from English-Corpora.org (such as the 14 billion word iWeb corpus) provide a “word sketch” that is much more than a simple list of collocates. Users can see – on one page – the following information for each of the top 60,000 words (lemmas) in the corpus (more info: [PDF](#), [video](#))

1. detailed frequency information (including frequency by genre)	8. other words where the word is used as part of the definition for those words
2. definitions (including links to external definitions and etymology)	9. morphologically-related words
3. links to images	<b>10. collocates</b>
4. links to pronunciation and external videos	11. related “topics” (co-occurring words found <i>anywhere</i> in the text – not just within 3-4 words)
5. links to translations from several external websites	12. most common 2, 3, and 4 word clusters
6. synonyms	13. texts or websites where the word is very frequent (to create “Virtual Corpora” for the word)
7. more specific and more general words from WordNet	14. re-sortable concordance (KWIC) lines

This wide range of integrated information – all on one page and where almost every entry is linked to other entries for the top 60,000 words – this really is a comprehensive collection of information that is worthy of being called a “word sketch”. And English-Corpora.org is the only corpus website that provides such a wide range of information

As mentioned, it is difficult to imagine users being able to extract comprehensive, integrated information like this from an LLM like GPT or Gemini. The LLMs do provide detailed collocates, but it is hard to imagine a complex user prompt that would generate the wide array of information. And even more importantly, the responses would not provide links to related words (as is possible with English-Corpora.org), which allows users to seamlessly followed connections from one word and phrase to another.

In summary, we would argue that – as long as corpora have the right type of interface, which is designed with users in mind – there is definitely still a role for corpora (such as those found at English-Corpora.org), even in this age of powerful LLMs.

# broccoli (NOUN) (#8955) (go to beginning)

## Sketch Engine

modifiers of "broccoli"	nouns modified by "broccoli"	verbs with "broccoli" as object	verbs with "broccoli" as subject	adjective predicates of "broccoli"
<b>cauliflower</b> cauliflower, broccoli · concentrated in: health ? · concentrated in: New Zealand domain .nz ? · concentrated in: Indian domain .in ?	<b>cauliflower</b> broccoli, cauliflower · concentrated in: health ? · concentrated in: home & family & children ? · concentrated in: hobbies ?	<b>steam</b> steamed broccoli · concentrated in: home & family & children ? <b>sprout</b> purple sprouting broccoli · concentrated in: economy & finance & business ? · concentrated in: UK domain .uk ? · concentrated in: New Zealand domain .nz ? show more (1)	<b>sprout</b> broccoli sprouts <b>sautee</b> broccoli sauteed in <b>stem</b> broccoli stems <b>steam</b> broccoli steamed <b>spear</b> the broccoli spears <b>crown</b> the broccoli crowns <b>stalk</b> the broccoli stalks <b>flower</b> the broccoli flowers <b>roast</b> broccoli is roasting <b>chop</b>	<b>tender-crisp</b> broccoli is tender-crisp <b>tender</b> broccoli is tender <b>nutritious</b> broccoli is quite nutritious <b>crunchy</b> broccoli is crunchy <b>raw</b> broccoli raw <b>palatable</b> broccoli is palatable <b>edible</b> broccoli are edible <b>crisp</b> broccoli is crisp and <b>tasty</b> broccoli is tasty

## iWeb (from English-Corpora.org)

+ NOUN	NEW WORD	?	+ ADJ	NEW WORD	?	+ VERB	NEW WORD	?	+ ADV	NEW WORD	?
3418	10.03	cabbage	1736	4.63	green	2699	12.71	cauliflower	124	3.88	lightly
2983	6.89	vegetable	1576	10.76	steamed	2221	2.57	add	71	4.55	finely
2738	8.59	carrot	1040	8.18	roasted	2141	4.21	eat	53	3.05	evenly
2719	10.26	sprout	999	4.04	fresh	1221	4.92	cook	41	2.90	indoors
2662	9.42	spinach	850	4.94	raw	731	2.48	contain	34	4.83	thinly
2380	9.93	kale	760	11.68	cruciferous	673	2.65	cut	26	2.60	freshly
2370	6.20	chicken	739	6.21	frozen	633	2.02	grow	16	2.24	extra
2140	10.50	cauliflower	729	4.09	sweet	427	13.03	florets	15	6.44	dente

## GPT

Noun	Verb/OBJ	Verb/SUBJ	Adjective
cauliflower	cook	grow	fresh
spinach	chop	wilt	green
carrot	steam	sprout	steamed
vegetable	eat	thrive	frozen
salad	add	bloom	chopped
dish	prepare	appear	healthy
floret	wash	mature	organic
stir-fry	boil	develop	delicious

**Noun:** Words like "cauliflower," "spinach," and "carrot" situate broccoli within the context of other vegetables, often grouped together in discussions of food and nutrition. Terms like "salad" and "stir-fry" highlight its role in specific dishes.

**Verb/OBJ:** Words like "cook," "chop," and "steam" reflect the common methods of preparing broccoli, while "eat" and "add" relate to its role as a consumable ingredient in various dishes.

**Verb/SUBJ:** Actions such as "grow," "sprout," and "bloom" depict broccoli as a living plant, focusing on its lifecycle and agricultural context. Other verbs like "thrive" and "mature" emphasize its growth and development.

**Adjective:** Descriptors like "fresh," "green," and "organic" emphasize broccoli's qualities as a healthy and natural food, while "steamed" and "chopped" highlight its preparation methods.

The collocates show that "broccoli" is primarily associated with food and health, serving as both a nutritious vegetable and a versatile ingredient in cooking. Its role as a plant is emphasized in agricultural contexts, while its preparation and consumption are highlighted in culinary settings. This dual association underscores broccoli's importance in both growing and eating contexts.

## Gemini

Noun	Verb/OBJ	Verb/SUBJ	Adjective
cheese	buy	contain	steamed
cauliflower	chop	provide	fresh
carrot	cook	have	frozen
pea	eat	belong	raw
salad	grow	be	organic
dish	harvest	grow	green
soup	love	come	crunchy
recipe	plant	yield	delicious

**Noun:** These collocates highlight the culinary context of broccoli, associating it with other ingredients and dishes. They emphasize its role as a key component in various meals and its frequent pairing with other vegetables and food items.

**Verb/OBJ:** These collocates illustrate the ways people interact with broccoli in the kitchen. They show the actions involved in preparing and consuming broccoli, highlighting its versatility in cooking.

**Verb/SUBJ:** These collocates emphasize the nutritional value and growth aspects of broccoli. They reveal what the vegetable offers in terms of nutrients and how it develops and thrives.

**Adjective:** These collocates describe the sensory qualities and preparation methods of broccoli. They provide information about its taste, texture, appearance, and how it is commonly served.

Overall, the collocates of "broccoli" paint a comprehensive picture of this vegetable. They reveal its culinary versatility, nutritional value, and various methods of preparation and consumption. Broccoli is depicted as a healthy, delicious, and adaptable ingredient that can be enjoyed in numerous ways, from raw to steamed and incorporated into diverse dishes.

**mantra (NOUN) (#9255) (go to beginning)**

modifiers of "mantra"	nouns modified by "mantra"	verbs with "mantra" as object	verbs with "mantra" as subject	adjective predicates of "mantra"
<b>Gayatri</b> Gayatri Mantra • concentrated in: travel & tourism ? • concentrated in: Indian domain .in ?	<b>japa</b> mantra japa <b>recitation</b> mantra recitation <b>yantra</b> mantra , yantra <b>mudra</b> mantras , mudras <b>Om</b> the mantra Om <b>meditation</b> mantra meditation • concentrated in: multi-topic ? • concentrated in: New Zealand domain .nz ? <b>Shivaya</b> the mantra Om Namah Shivaya <b>Japa</b> Mantra Japa	<b>chant</b> chanting mantras • concentrated in: multi-topic ? • concentrated in: New Zealand domain .nz ? • concentrated in: Indian domain .in ? <b>recite</b> recite the mantra • concentrated in: travel & tourism ? • concentrated in: religion ? • concentrated in: New Zealand domain .nz ? <b>repeat</b> repeating the mantra • concentrated in: sex ? • concentrated in: politics & government ? • concentrated in: health ? <b>utter</b> uttering the mantra • concentrated in: multi-topic ? <b>intone</b> intoning the mantra <b>parrot</b>	<b>chant</b> mantra chanting • concentrated in: health ? • concentrated in: multi-topic ? <b>invoke</b> mantra invoking <b>purify</b> Mantra purifies <b>repeat</b> mantra repeated <b>recite</b> mantra recited <b>utter</b> mantra uttered <b>resonate</b> mantra resonates <b>guide</b> guided by the mantra	<b>aqueous</b> Mantra Aqueous on Port <b>efficacious</b> <b>moderne</b> <b>ingrained</b> <b>powerful</b> mantra is powerful <b>potent</b> mantra is so potent <b>beloved</b> <b>sacred</b> mantras sacred <b>secret</b> <b>ancient</b> <b>meaningless</b>

+ NOUN	NEW WORD	?	+ ADJ	NEW WORD	?	+ VERB	NEW WORD	?	+ ADV	NEW WORD	?
837	6.93	meditation	560	2.36	simple	2633	6.81	repeat	112	2.06	by
392	9.06	om	489	2.13	personal	1438	2.50	become	75	5.62	silently
361	2.02	mind	264	2.42	positive	1182	9.59	chant	49	3.31	mentally
357	4.38	prayer	233	2.45	powerful	883	8.89	recite	45	3.05	loud
306	2.15	sound	206	4.81	sacred	751	2.25	live	30	4.73	endlessly
224	6.30	repetition	178	2.05	favorite	728	2.00	follow	26	2.17	practically
192	4.39	yoga	176	2.01	daily	524	2.07	hear	25	2.61	internally
177	3.77	breath	138	6.91	repeating	315	3.84	adopt	25	3.81	aloud
165	8.86	recitation	117	2.79	spiritual	191	2.30	stick	22	6.68	mindlessly

GPT				Gemini			
Noun	Verb/OBJ	Verb/SUBJ	Adjective	Noun	Verb/OBJ	Verb/SUBJ	Adjective
meditation	chant	echo	spiritual	meditation	chant	help	personal
prayer	recite	repeat	sacred	mind	repeat	calm	powerful
chant	repeat	inspire	personal	peace	recite	focus	sacred
word	use	resonate	powerful	repetition	use	bring	ancient
phrase	memorize	guide	calming	affirmation	adopt	promote	spiritual
repetition	whisper	emphasize	ancient	chanting	learn	guide	positive
focus	hear	unite	healing	practice	memorize	resonate	simple
wisdom	focus on	empower	universal	yoga	practice	become	effective

**Noun:** Words like "meditation," "prayer," and "chant" connect "mantra" to spiritual and contemplative practices. Terms like "word" and "phrase" emphasize its linguistic form, while "repetition" and "focus" highlight its functional role.

**Verb/OBJ:** Words like "chant," "recite," and "repeat" reflect common actions associated with mantras, emphasizing their usage in meditative and ritualistic contexts. Verbs such as "memorize" and "focus on" suggest their role in personal growth and concentration.

**Verb/SUBJ:** Actions such as "echo," "resonate," and "inspire" portray the mantra as a dynamic entity that has the power to guide, unite, and empower individuals, reflecting its spiritual and motivational qualities.

**Adjective:** Descriptors such as "spiritual," "sacred," and "ancient" underline the deep cultural and spiritual significance of mantras, while terms like "calming" and "healing" highlight their emotional and therapeutic effects.

The collocates illustrate that a "mantra" is a versatile and powerful tool within spiritual, meditative, and personal growth contexts. It is deeply rooted in tradition, with a linguistic and repetitive form that fosters focus, calmness, and empowerment. Its role spans from an individual, calming practice to a unifying and motivational force in broader spiritual or cultural frameworks.

**Noun:** These collocates highlight the spiritual and psychological context of mantras, associating them with meditation, peace, and positive affirmations. They emphasize the mental and emotional benefits of using mantras.

**Verb/OBJ:** These collocates demonstrate how people interact with mantras, revealing the practices of chanting, repetition, and memorization. They showcase the active engagement with mantras and the intention to internalize their meaning.

**Verb/SUBJ:** These collocates emphasize the effects and functions of mantras, showing how they can calm the mind, focus attention, and promote peace. They highlight the transformative power of mantras and their ability to guide and inspire.

**Adjective:** These collocates describe the qualities and characteristics of mantras, focusing on their power, spirituality, and positive impact. They portray mantras as tools for personal growth and transformation, often rooted in ancient traditions.

Overall, the collocates of "mantra" portray a powerful tool for spiritual and personal growth, associated with meditation, peace, and positive affirmations. They depict mantras as words or phrases that can be chanted or repeated to calm the mind, focus attention, and promote inner peace. The collocates also suggest that mantras can be personalized and adapted to individual needs, serving as a source of inspiration and guidance.



**dagger (NOUN) (#10355) (go to beginning)**

modifiers of "dagger"	nouns modified by "dagger"	verbs with "dagger" as object	verbs with "dagger" as subject	adjective predicates of "dagger"
<p><b>CWA</b> CWA Gold Dagger • concentrated in: culture &amp; entertainment ? • concentrated in: reference/encyclopedia ? • concentrated in: UK domain uk ?</p> <p><b>sword</b> swords , daggers • concentrated in: games ? • concentrated in: fiction ?</p> <p><b>Flying</b> House of Flying Daggers • concentrated in: culture &amp; entertainment ?</p> <p><b>F-102</b> Convair F-102 Delta Dagger • concentrated in: reference/encyclopedia ?</p> <p><b>ceremonial</b> ceremonial dagger • concentrated in: games ? • concentrated in: culture &amp; entertainment ? • concentrated in: fiction ?</p> <p><b>Convair</b> Convair F-102 Delta Dagger</p>	<p><b>hilt</b> the dagger hilt</p> <p><b>Brotherhood</b> the Black Dagger Brotherhood • concentrated in: culture &amp; entertainment ? • concentrated in: blog ? • concentrated in: Canadian domain.ca ?</p> <p><b>dirk</b> dagger , dirk</p> <p><b>alif</b> dagger alif</p> <p><b>nematode</b> dagger nematodes • concentrated in: reference/encyclopedia ?</p> <p><b>+2</b> dagger</p> <p><b>dagger</b> dagger , dagger</p> <p><b>three-pointer</b> the dagger three-pointer</p>	<p><b>glare</b> glared daggers at • concentrated in: games ? • concentrated in: culture &amp; entertainment ? • concentrated in: fiction ? <a href="#">show more (1)</a></p> <p><b>stare</b> staring daggers at • concentrated in: games ? • concentrated in: culture &amp; entertainment ? • concentrated in: fiction ? <a href="#">show more (1)</a></p> <p><b>plunge</b> plunged the dagger • concentrated in: culture &amp; entertainment ? • concentrated in: games ? • concentrated in: fiction ?</p> <p><b>sheath</b> sheathed dagger • concentrated in: culture &amp; entertainment ? • concentrated in: fiction ?</p>	<p><b>pierce</b> dagger piercing</p> <p><b>stab</b> dagger stabbing</p> <p><b>protrude</b> dagger protruding from his</p> <p><b>plunge</b> dagger plunged into</p> <p><b>impale</b> dagger impaled</p> <p><b>clatter</b> dagger clattered to the</p> <p><b>slice</b> dagger sliced</p> <p><b>slash</b> dagger slashed</p> <p><b>thrust</b> a dagger thrust</p>	<p><b>3-pointer</b> a dagger</p> <p><b>600W</b> the FSP Dagger</p> <p><b>Rival</b> dagger rivaling</p> <p><b>symmetric</b> a dagger symmetric monoidal category</p> <p><b>serial</b> dagger serial</p> <p><b>+1</b> dagger +1</p> <p><b>sharp</b> dagger sharp</p> <p><b>magical</b> dagger magical</p> <p><b>handy</b> a dagger handy</p>

+ NOUN	NEW WORD	?	+ ADJ	NEW WORD	?	+ VERB	NEW WORD	?	+ ADV	NEW WORD	?
2158	7.65	sword	470	6.37	flying	861	4.37	throw	12	6.66	offhand
1496	10.15	cloak	402	2.29	black	450	3.14	draw	11	2.50	finely
914	5.89	knife	319	2.02	short	445	2.66	carry	11	4.81	bis
905	4.99	weapon	243	3.32	double	435	7.38	stab	10	4.31	sharp
806	3.34	heart	216	5.43	medieval	282	2.26	kill	9	2.72	swiftly
792	2.56	hand	208	4.27	dual	258	2.31	pull	8	2.31	upright
727	5.48	blade	197	3.88	sharp	252	7.20	wield	8	3.20	richly
350	8.51	blink	191	7.72	ceremonial	224	6.79	plunge	8	6.02	stealthily
320	3.66	steel	151	3.70	magic	207	2.61	stick	7	3.04	downward

GPT				Gemini			
Noun	Verb/OBJ	Verb/SUBJ	Adjective	Noun	Verb/OBJ	Verb/SUBJ	Adjective
blade	wield	glint	sharp	sheath	draw	gleam	sharp
sword	brandish	pierce	deadly	blade	wield	flash	ceremonial
weapon	plunge	slash	gleaming	knife	plunge	pierce	jeweled
hilt	sheath	rest	ancient	sword	grasp	stab	ancient
scabbard	draw	shine	ceremonial	wound	unsheathe	glint	silver
point	sharpen	gleam	poisoned	heart	brandish	penetrate	steel
edge	grasp	flash	ornate	hand	conceal	strike	hidden
steel	hold	cut	lethal	threat	throw	kill	pointed

**Noun:** Words like "blade," "sword," and "weapon" emphasize the physical nature and purpose of a dagger as a cutting or stabbing tool. Terms such as "hilt" and "scabbard" highlight its structural components and storage.

**Verb/OBJ:** Words such as "wield," "plunge," and "draw" reflect the interaction of humans with daggers, emphasizing its use in combat or ceremonial contexts. Verbs like "sharpen" and "hold" relate to its maintenance and handling.

**Verb/SUBJ:** Actions like "glint," "pierce," and "slash" depict the dagger as a dynamic object in vivid scenes, suggesting its active use in combat or description. Other verbs like "rest" and "shine" portray its static presence.

**Adjective:** Descriptors like "sharp," "deadly," and "gleaming" highlight its functional and visual characteristics, while "ancient," "ceremonial," and "ornate" point to its cultural, historical, and aesthetic significance.

The collocates depict a dagger as a weapon with dual significance: practical and symbolic. It is portrayed as an active participant in vivid and violent scenarios while also being an object of cultural and ceremonial value. The interplay between its lethal utility and its ornamental or historical associations underscores its versatility as both a tool and a symbol.

**Noun:** These collocates illustrate the physical and symbolic aspects of a dagger, associating it with combat, violence, and death. They also highlight its relationship to other weapons and its role in inflicting wounds.

**Verb/OBJ:** These collocates reveal how people handle and use a dagger, emphasizing both offensive and defensive actions. They demonstrate the purposeful manipulation of the weapon, whether for attack, defense, or concealment.

**Verb/SUBJ:** These collocates emphasize the aggressive actions a dagger can perform, highlighting its use as a weapon for inflicting harm. They showcase the potential for violence and the deadly consequences associated with a dagger.

**Adjective:** These collocates describe the physical appearance and characteristics of a dagger, focusing on its sharpness, material, and potential for decoration. They portray the dagger as both a functional tool and a potential object of beauty or ceremonial significance.

Overall, the collocates of "dagger" portray a weapon with strong connotations of violence, aggression, and danger. It is depicted as a sharp, deadly instrument used for stabbing and inflicting wounds. However, the collocates also hint at potential ceremonial or symbolic uses, suggesting that a dagger can be more than just a weapon.

# festivity (NOUN) (#11655) (go to beginning)

modifiers of "festivity"	nouns modified by "festivity"	verbs with "festivity" as object	verbs with "festivity" as subject	adjective predicates of "festivity"
<b>homecoming</b> Homecoming festivities	<b>kick-off</b> The festivities kick-off	<b>tailgating</b> the tailgating festivities	<b>kick</b> festivities kick off	<b>celebrated</b> festivities are celebrated
<b>Halloween</b> Halloween festivities • concentrated in: travel & tourism ? • concentrated in: games ?	<b>kicked-off</b>	<b>culminate</b> The festivities culminated	<b>culminate</b> The festivities culminate	<b>joyous</b>
<b>pre-game</b> the pre-game festivities • concentrated in: sports ?	<b>Begin</b> Let the Festivities Begin	<b>mar</b> mar the festivities	<b>commemorate</b> the festivities commemorating the • concentrated in: reference/encyclopedia ?	<b>unforgettable</b>
<b>pregame</b> the pregame festivities • concentrated in: news ? • concentrated in: reference/encyclopedia ?	<b>merriment</b>	<b>enjoy</b> enjoy the festivities • concentrated in: travel & tourism ?	<b>commence</b> festivities commence	<b>last</b> festivities last for
<b>all-star</b> All-Star festivities • concentrated in: sports ? • concentrated in: news ?	<b>gastronomy</b>	<b>interrupt</b> festivities are interrupted • concentrated in: culture & entertainment ? • concentrated in: reference/encyclopedia ?	<b>celebrate</b> festivities celebrating the • concentrated in: Australian domain .au ?	<b>galore</b> and festivities galore
<b>Gras</b> Mardi Gras festivities	<b>assam</b>	<b>dampen</b> dampen the festivities	<b>begin</b> festivities begin • concentrated in: travel & tourism ?	<b>underway</b> festivities underway
<b>July</b> Fourth of July festivities	<b>rolling</b>	<b>headline</b> headline the festivities	<b>honor</b> festivities honoring the	<b>virtual</b>
	<b>firework</b> festivities , fireworks and	<b>celebrate</b> celebrate the festivities • concentrated in: Indian domain in ?	<b>mark</b> festivities marking the • concentrated in: multi-tonic ?	<b>short-lived</b>
	<b>parade</b> festivities , parades			<b>memorable</b> festivities memorable
	<b>Easter</b>			<b>round</b>
	<b>procession</b> festivities , processions and			<b>grand</b>
				<b>incomplete</b> festivities are incomplete without

+ NOUN	NEW WORD	?	+ ADJ	NEW WORD	?	+ VERB	NEW WORD	?	+ ADV	NEW WORD	?
3170	2.44	day	687	3.78	annual	2120	4.03	enjoy	854	2.10	off
2087	2.61	part	432	7.06	all-star	1920	3.56	begin	280	2.94	pm
1599	5.06	holiday	414	2.89	fun	1855	4.25	join	114	4.69	underway
1584	4.95	weekend	321	2.57	traditional	1834	2.46	include	101	2.83	tonight
1387	5.23	Christmas	267	2.48	live	1073	5.61	kick	77	2.13	tomorrow
1189	3.06	night	261	8.82	homecoming	816	4.58	celebrate	64	2.46	officially
1064	2.02	week	259	3.32	grand	696	2.07	continue	49	3.56	downtown
966	4.78	evening	232	3.78	upcoming	637	3.59	attend	41	2.11	way
882	2.15	event	203	6.08	inaugural	486	3.66	participate	29	2.04	traditionally
743	4.52	wedding	195	3.01	religious	442	2.23	plan	27	2.63	indoors
648	5.40	celebration	187	10.05	pre-race	317	3.07	host	12	2.15	extra

## GPT

Noun	Verb/OBJ	Verb/SUBJ	Adjective
celebration	celebrate	abound	joyful
holiday	enjoy	spread	lively
occasion	mark	mark	colorful
Event	commemorate	signal	traditional
tradition	honor	begin	grand
festival	organize	end	festive
gathering	plan	continue	cheerful
ceremony	observe	culminate	vibrant

**Noun:** Words like "celebration," "holiday," and "tradition" link festivity to joyous, significant events, emphasizing its connection to communal and cultural practices.

**Verb/OBJ:** Words like "celebrate," "commemorate," and "observe" reflect how people engage with festivities, highlighting their role as occasions to honor, enjoy, and organize.

**Verb/SUBJ:** Actions such as "abound," "spread," and "mark" depict festivities as active phenomena that symbolize and enhance special occasions, often beginning, continuing, or culminating a sequence of events.

**Adjective:** Descriptors such as "joyful," "lively," and "colorful" underline the cheerful and vibrant atmosphere of festivities, while "traditional" and "grand" suggest their rootedness in heritage and significance in marking momentous occasions.

The collocates illustrate that "festivity" is both an active and a celebrated phenomenon. It serves as a marker of joy and cultural significance, actively spreading and symbolizing celebration, while also being a focal point for human engagement and tradition. This dual nature highlights its importance as a vital part of communal and individual experiences.

## Gemini

Noun	Verb/OBJ	Verb/SUBJ	Adjective
celebration	enjoy	mark	joyous
season	celebrate	include	festive
occasion	join	begin	religious
holiday	attend	end	cultural
atmosphere	plan	continue	annual
spirit	organize	accompany	traditional
event	hold	follow	public
cheer	partake in	create	community

**Noun:** These collocates illustrate the context and purpose of festivities, associating them with holidays, celebrations, and joyful occasions. They emphasize the communal and cultural aspects of festivities.

**Verb/OBJ:** These collocates demonstrate how people engage with festivities, revealing their active participation and enjoyment. They showcase the planning and organization involved in festivities and the anticipation surrounding them.

**Verb/SUBJ:** These collocates highlight the impact and function of festivities, showing how they mark special occasions and bring people together. They emphasize the temporal aspect of festivities, showing how they begin, continue, and end.

**Adjective:** These collocates describe the nature and characteristics of festivities, focusing on their joyful, cultural, and traditional aspects. They portray festivities as recurring events that are often tied to specific communities or nations.

Overall, the collocates of "festivity" portray a joyous and communal experience associated with celebrations, holidays, and cultural traditions. They depict festivities as planned events that bring people together and create a sense of shared joy and excitement.

colander (NOUN) (#25155) (go to beginning)

The image shows five interactive panels for the word "colander":

- modifiers of "colander"**: cheesecloth-lined, cloth-lined, Latasha, Sabatier, fine-mesh, colander, large-holed, collapsible, strainer, fine-meshed, sifter, Reginox.
- nouns modified by "colander"**: Borg-Man, colander, strainer, rinse, ladle, grater, kelp, sieve, Combo, Mold, Holt, saucepan.
- verbs with "colander" as object**: line, hole, foot, enamel, submerge, rinse, place, shake, wear.
- verbs with "colander" as subject**: drain, press.
- adjective predicates of "colander"**: full.

+ NOUN	NEW WORD	+ ADJ	NEW WORD	+ VERB	NEW WORD	+ ADV	NEW WORD				
444	3.75	water	429	3.66	large	1142	9.98	drain	390	2.21	then
426	6.82	bowl	256	5.43	cold	735	5.68	place	202	2.03	well
297	8.25	sink	110	4.02	cool	511	9.41	rinse	86	5.47	aside
208	10.88	strainer	81	2.87	fine	293	3.15	set	80	4.23	under
191	11.04	sieve	70	5.05	running	286	3.01	put	66	5.50	thoroughly
187	6.49	bean	63	5.65	excess	265	7.06	line	43	2.59	immediately
179	7.58	pasta	57	3.37	dry	218	6.63	pour	42	4.94	gently
173	5.98	pot	48	2.32	hot	199	2.98	let	19	4.34	lightly

GPT

Noun	Verb/OBJ	Verb/SUBJ	Adjective
strainer	use	drain	metal
bowl	rinse	hold	plastic
kitchen	place	contain	stainless
sink	fill	catch	large
water	wash	filter	small
pasta	empty	overflow	perforated
vegetable	clean	rest	round
tool	dry	tip	durable

**Noun:** Words like "strainer," "bowl," and "tool" emphasize the colander's role as a practical kitchen implement. Terms like "pasta" and "vegetable" highlight its common use in preparing specific foods.

**Verb/OBJ:** Words like "use," "rinse," and "wash" describe how people interact with colanders, reflecting their preparation and cleaning processes. Verbs like "fill" and "empty" illustrate its practical applications during cooking.

**Verb/SUBJ:** Actions such as "drain," "filter," and "catch" depict the colander's function of separating liquids from solids. Verbs like "hold" and "overflow" relate to its role in handling and managing contents.

**Adjective:** Descriptors such as "metal," "plastic," and "stainless" emphasize the materials used to make colanders, while "large," "small," and "perforated" describe their size and structure.

The collocates illustrate that "colander" is a functional and essential kitchen tool primarily used for draining and washing foods such as pasta and vegetables. Its utility is highlighted through its actions, while its material and size reflect its adaptability to various kitchen tasks. It plays a vital role in food preparation, bridging practicality with versatility.

Gemini

Noun	Verb/OBJ	Verb/SUBJ	Adjective
strainer	use	drain	metal
bowl	wash	strain	plastic
pasta	buy	separate	stainless steel
water	hold	remove	large
vegetables	clean	rinse	small
handle	store	catch	mesh
holes	place	have	fine
kitchen	put	sit	sturdy

**Noun:** These collocates highlight the function and use of a colander, associating it with food preparation, specifically draining and straining tasks. They also connect it to other kitchen tools and the environment where it is used.

**Verb/SUBJ:** These collocates reveal how people interact with a colander, emphasizing its use for draining, washing, and storing. They showcase the practical handling and maintenance of the colander in a kitchen setting.

**Verb/SUBJ:** These collocates emphasize the actions a colander performs, focusing on separating solids from liquids, removing excess water, and rinsing food. They demonstrate its role in food preparation and cleaning.

**Adjective:** These collocates describe the physical characteristics of a colander, focusing on its material, size, and structure. They portray the colander as a durable and functional tool with varying sizes and designs to accommodate different needs.

Overall, the collocates of "colander" portray a kitchen tool essential for draining and straining tasks. It is depicted as a container with holes, typically made of metal or plastic, used to separate solids from liquids. The collocates emphasize its practicality and functionality in food preparation, highlighting its role in rinsing, draining, and straining various ingredients.



parentage (NOUN) (#26255) (go to beginning)

modifiers of "parentage"	nouns modified by "parentage"	verbs with "parentage" as object	verbs with "parentage" as subject	adjective predicates of "parentage"
<p><b>Scotch-Irish</b> of Scotch-Irish parentage</p> <p><b>Scotch</b> of Scotch parentage</p> <p><b>mixed-race</b> of mixed-race parentage</p> <p><b>unidentified</b> cultivar is of unidentified parentage</p> <p><b>Quaker</b> of Quaker parentage</p> <p><b>mixed</b> of mixed parentage</p> <p><b>Guyanese</b> of Guyanese parentage</p> <p><b>uncertain</b> of uncertain parentage · concentrated in: reference/encyclopedia ?</p> <p><b>doubtful</b> of doubtful parentage</p>	<p><b>birthplace</b> parentage, birthplace</p> <p><b>unknown</b> parentage unknown</p> <p><b>verification</b> parentage verification</p> <p><b>opulence</b></p> <p><b>guardianship</b></p> <p><b>Cerf</b></p> <p><b>presumption</b> parentage presumptions</p> <p><b>Verification</b> Parentage Verification</p> <p><b>Clear</b></p> <p><b>adjudication</b></p> <p><b>caste</b> parentage, caste and residence</p>	<p><b>misattribute</b> misattributed parentage</p> <p><b>adjudicate</b> to adjudicate parentage</p> <p><b>self-fertilised</b></p> <p><b>disestablish</b></p> <p><b>dispute</b> parentage is disputed</p> <p><b>insult</b> insulting his parentage</p> <p><b>question</b> questioning the parentage</p> <p><b>verify</b> to verify parentage · concentrated in: reference/encyclopedia ?</p> <p><b>ascertain</b> ascertain the parentage of</p> <p><b>disprove</b></p>	<p><b>verify</b> parentage verified</p> <p><b>trace</b></p>	<p><b>unproven</b></p> <p><b>undetermined</b></p> <p><b>obscure</b> parentage is obscure</p> <p><b>unknown</b> parentage is unknown · concentrated in: reference/encyclopedia ?</p> <p><b>uncertain</b> parentage is uncertain · concentrated in: reference/encyclopedia ?</p> <p><b>doubtful</b></p> <p><b>questionable</b> parentage is questionable</p> <p><b>unclear</b> parentage is unclear</p> <p><b>obvious</b> parantage le nhuivue</p>

+ NOUN	NEW WORD	?	+ ADJ	NEW WORD	?	+ VERB	NEW WORD	?	+ ADV	NEW WORD	?
385	3.24	child	443	5.00	true	154	4.18	establish	25	2.83	regardless
136	4.59	truth	216	7.70	mixed	139	4.60	born	6	3.46	sufficiently
132	5.04	birth	183	6.29	unknown	126	4.30	reveal	4	5.96	conclusively
87	3.05	act	92	3.47	legal	107	3.23	determine	3	3.09	voluntarily
76	2.08	order	78	6.83	uniform	80	3.81	confirm	2	2.32	predominantly
75	5.25	DNA	62	4.33	Irish	60	3.05	prove	2	2.46	double
73	2.47	parent	60	2.10	common	44	2.46	discover	2	2.51	kindly
67	4.08	testing	56	4.76	Jewish	40	3.91	verify	2	3.06	invariably

GPT

Noun	Verb/OBJ	Verb/SUBJ	Adjective
heritage	question	determine	unknown
lineage	establish	influence	noble
ancestry	acknowledge	reveal	humble
origin	trace	trace	mixed
birth	dispute	define	aristocratic
bloodline	recognize	shape	royal
descent	clarify	suggest	ancient
background	confirm	highlight	biological

**Noun:** Words like "heritage," "lineage," and "ancestry" situate "parentage" in the context of family history and origin. Terms like "birth" and "background" further emphasize its connection to one's roots.

**Verb/OBJ:** Words like "question," "establish," and "acknowledge" emphasize interactions with the concept of parentage, often involving inquiries or affirmations about lineage. Verbs such as "trace" and "confirm" underline its importance in genealogical and identity verification contexts.

**Verb/SUBJ:** Actions such as "determine," "influence," and "reveal" highlight the role of parentage in shaping identity and personal history. Verbs like "trace" and "define" reflect efforts to understand or establish familial ties.

**Adjective:** Descriptors like "unknown," "noble," and "aristocratic" highlight variations in the status or perception of parentage, while "mixed," "humble," and "biological" reflect its diverse contexts and implications.

The collocates illustrate that "parentage" is deeply tied to identity, family history, and social perceptions. It is associated with efforts to trace, establish, or understand familial connections, and its description often conveys both social status and biological or cultural significance. Parentage serves as a foundation for exploring lineage, heritage, and personal identity.

Gemini

Noun	Verb/OBJ	Verb/SUBJ	Adjective
child	establish	determine	noble
family	trace	reveal	humble
origin	discover	indicate	unknown
ancestry	confirm	suggest	royal
father	question	influence	distinguished
mother	verify	affect	obscure
line	research	derive	ancient
blood	prove	come	legitimate

**Noun:** These collocates highlight the core concept of parentage, associating it with family connections, ancestry, and lineage. They emphasize the biological and genealogical aspects of parentage.

**Verb/OBJ:** These collocates demonstrate how people investigate and interact with the concept of parentage, revealing actions like establishing, tracing, and verifying lineage. They showcase the efforts involved in uncovering and confirming ancestry.

**Verb/SUBJ:** These collocates emphasize the impact and implications of parentage, showing how it can determine traits, reveal origins, and influence a person's life. They highlight the role of parentage in shaping identity and inheritance.

**Adjective:** These collocates describe the nature and qualities associated with parentage, focusing on social status, legitimacy, and historical roots. They portray parentage as a source of identity and pride, but also potentially a subject of secrecy or uncertainty.

Overall, the collocates of "parentage" portray a concept deeply connected to family history, ancestry, and lineage. They depict parentage as a powerful force that shapes identity and inheritance, influencing a person's life in various ways. The collocates also highlight the human desire to understand and uncover their origins, revealing the importance of tracing and verifying parentage.

flavonoid (NOUN) (#27155) (go to beginning)

modifiers of "flavonoid"	nouns modified by "flavonoid"	verbs with "flavonoid" as object	verbs with "flavonoid" as subject	adjective predicates of "flavonoid"
<b>alkaloid</b> alkaloids, flavonoids - concentrated in: science ? - concentrated in: health ?	<b>saponin</b> flavonoids, saponins - concentrated in: science ?	<b>isolate</b> flavonoids isolated from	<b>inhibit</b> flavonoids inhibit	<b>content</b> total flavonoids content
<b>saponin</b> saponins, flavonoids	<b>quercetin</b> flavonoids quercetin	<b>metabolize</b> metabolize flavonoids	<b>content</b> total flavonoid extracts	<b>potent</b>
<b>polyphenol</b> polyphenols, flavonoids	<b>terpenoid</b> flavonoids, terpenoids	<b>methylate</b>	<b>exert</b> flavonoids exert their	<b>abundant</b> a flavonoid abundant in
<b>tannin</b> tannins, flavonoids - concentrated in: science ?	<b>glycoside</b> flavonoids, glycosides	<b>yield</b> yielded flavonoids	<b>modulate</b>	<b>present</b> flavonoids present in
<b>phenolic</b> phenolics, flavonoids	<b>anthocyanin</b> flavonoids, anthocyanins	<b>contain</b> contains flavonoids - concentrated in: health ? - concentrated in: US domain: us ?	<b>suppress</b>	<b>beneficial</b> flavonoids are beneficial
<b>glycoside</b> glycosides, flavonoids	<b>phenol</b> flavonoids, phenols	<b>purify</b> purified flavonoids	<b>compound</b>	
<b>phenol</b> phenols, flavonoids	<b>alkaloid</b> flavonoids, alkaloids	<b>extract</b> flavonoids extracted from	<b>stimulate</b> flavonoids stimulate the	
<b>terpene</b> terpenes, flavonoids	<b>coumarin</b> flavonoids, coumarins	<b>occur</b> a naturally occurring flavonoid	<b>exhibit</b> flavonoids exhibited	
<b>terpenoid</b> terpenoids, flavonoids	<b>rutin</b> flavonoids rutin	<b>synthesize</b> flavonoids synthesized	<b>possess</b> flavonoids possess	
	<b>apigenin</b> the flavonoids apigenin	<b>consume</b> flavonoids consumed	<b>reduce</b> flavonoids reduce the	
			<b>enhance</b> flavonoids enhance the	

+ NOUN	NEW WORD	?	+ ADJ	NEW WORD	?	+ VERB	NEW WORD	?	+ ADV	NEW WORD	?
1050	10.30	antioxidant	618	6.28	rich	1258	5.85	contain	75	4.18	naturally
557	6.83	vitamin	471	10.53	antioxidant	694	2.47	find	60	2.51	particularly
516	12.56	polyphenol	461	2.54	high	555	3.30	call	36	3.29	mainly
505	6.46	acid	279	12.41	phenolic	445	2.29	help	36	3.76	high
469	7.55	compound	226	4.54	powerful	184	3.56	protect	32	3.25	particular
452	13.46	quercetin	202	3.50	natural	160	3.01	reduce	25	2.03	addition
333	12.29	carotenoid	156	8.23	anti-inflammatory	112	3.02	prevent	20	2.54	additionally
332	4.40	plant	127	5.71	beneficial	95	2.72	present	18	2.40	widely

GPT

Noun	Verb/OBJ	Verb/SUBJ	Adjective
antioxidant	study	protect	natural
compound	isolate	reduce	dietary
polyphenol	analyze	enhance	plant-based
substance	extract	neutralize	bioactive
chemical	synthesize	occur	potent
plant	measure	interact	beneficial
fruit	identify	function	organic
vegetable	consume	support	essential

Gemini

Noun	Verb/OBJ	Verb/SUBJ	Adjective
antioxidant	consume	protect	plant
polyphenol	extract	reduce	dietary
compound	study	have	natural
plant	identify	occur	beneficial
fruit	isolate	contribute	bioactive
vegetable	synthesize	play	powerful
health	analyze	act	antioxidant
benefit	find	exhibit	different

**Noun:** Words like "antioxidant," "compound," and "polyphenol" place "flavonoid" within the domain of chemical and biological substances, highlighting its role in health and nutrition. Terms such as "fruit" and "vegetable" emphasize its natural occurrence in plants.

**Verb/OBJ:** Words like "study," "isolate," and "analyze" reflect the scientific interest in flavonoids, focusing on research and understanding. Terms like "extract" and "consume" highlight their application in food and medicine.

**Verb/SUBJ:** Actions such as "protect," "reduce," and "enhance" underscore flavonoids' biological functions, particularly their health benefits. Verbs like "neutralize" and "support" emphasize their role in combating harmful processes in the body.

**Adjective:** Descriptors such as "natural," "dietary," and "plant-based" emphasize their origins and importance in nutrition, while "bioactive" and "potent" reflect their efficacy and health-promoting properties.

**Noun:** These collocates highlight the nature and sources of flavonoids, associating them with plant-based foods, health benefits, and other related compounds like antioxidants and polyphenols. They emphasize the dietary and nutritional aspects of flavonoids.

**Verb/OBJ:** These collocates demonstrate how scientists and people interact with flavonoids, revealing actions like consuming, extracting, studying, and analyzing them. They showcase the research and investigation surrounding flavonoids and their properties.

**Verb/SUBJ:** These collocates emphasize the functions and actions of flavonoids, showing how they can protect against disease, reduce inflammation, and contribute to overall health. They highlight the biological activity and potential benefits of flavonoids.

**Adjective:** These collocates describe the characteristics of flavonoids, focusing on their natural origin, beneficial effects, and diverse types. They portray flavonoids as valuable components of a healthy diet, with varying properties and functions.

The collocates depict "flavonoid" as a naturally occurring chemical compound with significant biological and health-related importance. It is a key subject of scientific research and is associated with protective and enhancing properties in dietary and medicinal contexts. Flavonoids are integral to understanding the relationship between plant-based foods and human health.

Overall, the collocates of "flavonoid" portray a group of plant compounds associated with various health benefits. They depict flavonoids as powerful antioxidants found in fruits, vegetables, and other plant-based foods. The collocates emphasize their role in protecting against disease and promoting overall well-being. They also highlight the ongoing research and interest in understanding the diverse properties and potential applications of flavonoids.

**sculpin (NOUN) (#45855) (go to beginning)**

modifiers of "sculpin"	nouns modified by "sculpin"	verbs with "sculpin" as object	verbs with "sculpin" as subject	adjective predicates of "sculpin"
<p><b>staghorn</b> ...</p> <p>staghorn sculpin</p> <p>· concentrated in: reference/encyclopedia ?</p> <p><b>tidepool</b> ...</p> <p>the tidepool sculpin</p> <p><b>sculpin</b> ...</p> <p>sculpin ,prickly sculpin</p> <p><b>riffle</b> ...</p> <p>riffle sculpin</p> <p><b>coastrange</b> ...</p> <p>coastrange sculpin</p> <p><b>fourhorn</b> ...</p> <p>the fourhorn sculpin</p> <p><b>spoonhead</b> ...</p> <p>spoonhead sculpin ( Cottus ricei</p> <p><b>saifin</b> ...</p> <p>the saifin sculpin</p> <p><b>grotto</b> ...</p> <p>the grotto sculpin</p>	<p><b>thompsonii</b> ...</p> <p>deepwater sculpin Myoxocephalus thompsonii</p> <p><b>sculpin</b> ...</p> <p>sculpin ,prickly sculpin</p> <p><b>SSN-590</b> ...</p> <p><b>asper</b> ...</p> <p>prickly sculpin , Cottus asper, and</p> <p><b>Cottidae</b> ...</p> <p><b>Oligocottinae</b> ...</p> <p><b>cognatus</b> ...</p> <p><b>bairdi</b> ...</p> <p><b>polyacanthocephalus</b> ...</p> <p><b>scorpius</b> ...</p> <p><b>aleuticus</b> ...</p> <p><b>stickleback</b> ...</p> <p>sculpins , sticklebacks</p>	<p><b>mottle</b> ...</p> <p>mottled sculpin</p> <p>· concentrated in: reference/encyclopedia ?</p> <p><b>ballast</b> ...</p> <p>Ballast Point Sculpin</p> <p><b>manacle</b> ...</p> <p><b>band</b> ...</p> <p>banded sculpin</p> <p><b>imitate</b> ...</p> <p>imitate sculpins</p> <p><b>fish</b> ...</p>	<p><b>inhabit</b> ...</p>	<p><b>native</b> ...</p> <p>a species of sculpin native to the</p> <p>· usually in: reference/encyclopedia ?</p> <p><b>endemic</b> ...</p> <p><b>abundant</b> ...</p> <p>sculpin were abundant</p>

+ NOUN	NEW WORD	?	+ ADJ	NEW WORD	?	+ VERB	NEW WORD	?	+ ADV	NEW WORD	?
67	7.19	fish	19	2.70	small	17	11.78	grunt	3	2.45	extremely
46	11.35	grapefruit	14	12.00	mottled	8	2.86	eat	2	2.75	frequently
45	3.87	point	9	2.79	late	7	4.67	tie	2	3.18	commonly
45	11.35	ballast	9	4.68	classic	6	3.24	catch	1	2.05	closely
41	11.98	ipa	9	10.46	slimy	4	5.14	exhibit	1	2.24	mainly
21	5.75	species	8	10.58	deep-water	4	6.45	fish	1	2.36	largely
18	10.56	grunt	7	8.33	freshwater	4	6.64	mimic	1	2.48	somehow
17	11.13	leech	6	2.24	American	4	7.34	imitate	1	2.50	and

**GPT**

Noun	Verb/OBJ	Verb/SUBJ	Adjective
fish	observe	inhabit	small
species	catch	hunt	benthic
habitat	study	hide	native
river	identify	adapt	cold-water
stream	monitor	thrive	camouflaged
predator	describe	spawn	bottom-dwelling
ecosystem	analyze	feed	aquatic
marine	preserve	compete	freshwater

**Noun:** Words like "fish," "species," and "habitat" position "sculpin" within the context of aquatic life, while terms such as "river," "stream," and "ecosystem" highlight its environmental and ecological significance.

**Verb/OBJ:** Words such as "observe," "catch," and "study" reflect human interaction with sculpins, particularly in scientific and fishing contexts. Terms like "monitor" and "preserve" highlight conservation efforts.

**Verb/SUBJ:** Actions like "inhabit," "hunt," and "adapt" describe the sculpin's behavior and survival strategies in its environment. Verbs like "thrive" and "spawn" indicate its role in ecological systems and reproduction.

**Adjective:** Descriptors like "small," "benthic," and "bottom-dwelling" describe the sculpin's physical and ecological characteristics, while "native" and "cold-water" emphasize its habitat preferences and environmental adaptations.

The collocates depict "sculpin" as a small, benthic fish integral to aquatic ecosystems. Its interactions with its environment, such as inhabiting rivers and streams and adapting to cold-water habitats, underline its ecological role. Human interest in sculpins spans observation, study, and conservation, reflecting their importance in biodiversity and ecosystem management.

**Gemini**

Noun	Verb/OBJ	Verb/SUBJ	Adjective
fish	catch	live	bottom-dwelling
water	eat	swim	marine
rock	cook	hide	freshwater
ocean	study	feed	small
river	observe	have	large
species	identify	lack	spiny
head	find	blend	scaleless
fin	collect	inhabit	camouflaged

**Noun:** These collocates highlight the basic nature of a sculpin, associating it with aquatic environments, physical features, and its role in the food chain. They emphasize its classification as a fish and its connection to specific habitats.

**Verb/OBJ:** These collocates demonstrate how people interact with sculpins, revealing actions like catching, eating, studying, and observing them. They showcase human interactions with this fish, whether for recreational, scientific, or culinary purposes.

**Verb/SUBJ:** These collocates emphasize the sculpin's behavior and characteristics, showing how it lives, swims, feeds, and interacts with its environment. They highlight its adaptations for survival and camouflage.

**Adjective:** These collocates describe the physical appearance and traits of sculpins, focusing on their size, habitat, and distinctive features. They portray sculpins as diverse and adaptable creatures, often well-camouflaged in their environments.

Overall, the collocates of "sculpin" portray a type of fish that is typically small, bottom-dwelling, and well-adapted to its environment. They depict sculpins as inhabiting various aquatic habitats, from oceans and rivers to rocky shores. The collocates emphasize their camouflage abilities and their role in the food chain, both as predator and prey. They also highlight human interactions with sculpins, including fishing, scientific study, and even culinary appreciation in some regions.

**intaglio (NOUN) (#47755) (go to beginning)**

modifiers of "intaglio"	nouns modified by "intaglio"	verbs with "intaglio" as object	verbs with "intaglio" as subject
<b>carnelian</b> carnelian intaglio	<b>printmaking</b> intaglio printmaking	<b>engrave</b> intaglio engraved with	<b>engrave</b> intaglio engraved
<b>cornelian</b> cornelian intaglio of a	<b>lithography</b> intaglio, lithography	<b>carve</b> intaglio carved	<b>emboss</b>
<b>Solarplate</b>	<b>monotype</b> intaglio, monotype	<b>mould</b>	<b>etch</b>
<b>Blythe</b> the Blythe Intaglios	<b>letterpress</b> intaglio, letterpress	<b>frame</b> framed intaglios	<b>print</b> intaglio printing
<b>lithography</b> lithography, intaglio	<b>silkscreen</b> relief, intaglio, silkscreen	<b>print</b> intaglio printed	<b>carve</b> intaglio carving
<b>Akua</b> Akua Intaglio Transparent Base	<b>etching</b> intaglio etching - concentrated in: reference/encyclopedia ?		<b>depict</b> intaglio depicting
<b>sard</b>	<b>serigraphy</b>		<b>process</b> the intaglio processes
<b>Orlof</b>	<b>printmaker</b> intaglio printmaker		<b>surface</b>
<b>photopolymer</b> photopolymer intaglio	<b>INCD</b>		
<b>jasper</b> jasper intaglio	<b>photogravure</b>		

**No adjectives**

+ NOUN	NEW WORD	+ ADJ	NEW WORD	+ VERB	NEW WORD	+ ADV	NEW WORD
223 9.62	printing	24 10.10	engraved	76 6.37	print	5 3.32	primarily
163 8.41	relief	11 6.98	raised	33 2.00	create	2 2.06	commonly
127 4.68	process	10 2.83	traditional	26 7.66	carve	2 3.44	traditionally
123 7.18	print	9 4.83	Roman	25 9.21	etch	2 3.52	lightly
109 13.46	printmaking	8 12.29	lithographic	21 8.74	engrave	2 3.86	visually
95 6.20	technique	7 2.77	dry	8 2.13	raise	2 4.55	underneath
86 6.04	press	7 3.47	ancient	8 2.49	explore	2 10.56	synonymously
79 14.37	lithography	7 8.04	carved	8 3.70	employ	1 2.36	AD

GPT			
Noun	Verb/OBJ	Verb/SUBJ	Adj
engraving	engrave	produce	engraved
printing	print	create	decorative
design	etch	display	artistic
art	prepare	emerge	intricate
technique	examine	imprint	traditional
process	admire	decorate	detailed
plate	study	detail	classical
etching	replicate	highlight	fine

Gemini			
Noun	Verb/OBJ	Verb/SUBJ	Adj
printing	create	create	deep
engraving	use	involve	fine
etching	print	require	shallow
plate	make	produce	detailed
line	study	allow	delicate
ink	examine	result	precise
paper	collect	vary	linear
image	display	be	engraved

**Noun:** Words like "engraving," "printing," and "etching" situate "intaglio" in the domain of art and design, emphasizing its technical and artistic aspects. Terms such as "plate" and "process" highlight its role in specific techniques.

**Verb/OBJ:** Words like "engrave," "print," and "etch" relate to the hands-on actions performed during the intaglio process. Terms such as "admire" and "study" highlight the appreciation and analysis of its artistic results.

**Verb/SUBJ:** Actions like "produce," "create," and "imprint" showcase intaglio as a method for creating detailed designs. Verbs like "emerge" and "highlight" reflect its visual and aesthetic outcomes.

**Adjective:** Descriptors like "engraved," "intricate," and "detailed" emphasize the precision and complexity of intaglio designs. Terms such as "traditional" and "artistic" reflect its historical and creative significance.

The collocates illustrate that "intaglio" is both a technique and an art form, central to engraving and printing practices. It is characterized by intricate, precise designs that are valued for their decorative and artistic qualities. Intaglio plays a key role in traditional and classical art, where its technical execution and aesthetic appeal are both celebrated and studied.

**Noun:** These collocates highlight the core components and processes associated with intaglio, connecting it to printmaking, engraving, etching, and the materials involved. They emphasize the artistic and technical aspects of this technique.

**Verb/OBJ:** These collocates demonstrate how people interact with intaglio, revealing actions like creating, using, printing, and studying it. They showcase the creation, analysis, and appreciation of intaglio artwork.

**Verb/SUBJ:** These collocates emphasize the actions and outcomes of intaglio, showing how it creates images, involves specific techniques, and produces unique effects. They highlight the versatility and complexity of the process.

**Adjective:** These collocates describe the qualities and characteristics of intaglio prints, focusing on the depth, detail, and precision of the lines and images. They portray intaglio as a technique capable of producing intricate and refined artwork.

Overall, the collocates of "intaglio" portray a printmaking technique that involves incising lines into a plate to hold ink and create an image. They depict intaglio as a versatile and intricate process, capable of producing detailed and nuanced artwork. The collocates emphasize the artistic skill and technical precision required for this technique, as well as the unique aesthetic qualities of intaglio prints.

**bubbly (ADJ) (#16055) (go to beginning)**

**Sketch Engine**

nouns modified by "bubbly"	"bubbly" and/or ...
<p><b>personality</b> ...</p> <p>bubbly personality</p> <ul style="list-style-type: none"> <li>concentrated in: culture &amp; entertainment ?</li> <li>concentrated in: home &amp; family &amp; children ?</li> <li>concentrated in: New Zealand domain .nz ?</li> </ul> <p><a href="#">show more (2)</a></p>	<p><b>outgoing</b> ...</p> <p>bubbly and outgoing</p> <ul style="list-style-type: none"> <li>concentrated in: Canadian domain .ca ?</li> <li>concentrated in: UK domain .uk ?</li> <li>concentrated in: Australian domain .au ?</li> </ul>
<p><b>champagne</b> ...</p> <p>bubbly champagne</p>	<p><b>effervescent</b> ...</p> <p>bubbly and effervescent</p>
<p><b>blonde</b> ...</p> <p>bubbly blonde</p>	<p><b>vivacious</b> ...</p> <p>bubbly and vivacious</p>
<p><b>lather</b> ...</p> <p>rich , bubbly lather</p>	<p><b>foamy</b> ...</p> <p>foamy and bubbly</p>
<p><b>effervescence</b> ...</p> <p>bubbly effervescence</p>	<p><b>frothy</b> ...</p> <p>frothy and bubbly</p>
<p><b>froth</b> ...</p> <p>a bubbly froth</p>	<p><b>bouncy</b> ...</p> <p>bouncy , bubbly</p>
<p><b>prosecco</b> ...</p> <p>of bubbly prosecco</p>	<p><b>talkative</b> ...</p> <p>bubbly and talkative</p>
<p><b>Prosecco</b> ...</p> <p>bubbly Prosecco</p>	<p><b>chatty</b> ...</p> <p>bubbly and chatty</p> <ul style="list-style-type: none"> <li>concentrated in: UK domain .uk ?</li> </ul>
	<p><b>fizzy</b> ...</p>

**iWeb**

+ NOUN	NEW WORD	?	+ ADJ	NEW WORD	?
1468	6.13	glass	591	4.29	hot
1332	7.25	personality	538	5.81	golden
1046	6.19	bottle	440	5.03	bright
894	6.58	cheese	432	5.77	brown
670	3.49	minute	386	3.34	happy
389	3.47	girl	323	7.89	outgoing
376	2.26	person	311	3.08	nice
328	4.29	wine	283	2.33	little
321	7.58	champagne	261	4.11	sweet
314	2.65	top	253	3.92	warm
271	4.50	drink	213	4.09	friendly
235	3.57	fun	208	3.08	fun
200	4.78	mixture	201	4.33	thick

GPT	Gemini																																												
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<p><b>Summary of Collocates:</b></p> <p><b>Nouns:</b> Words like "champagne," "wine," and "beverage" reinforce "bubbly" as a descriptor for sparkling drinks, while "personality," "spirit," and "sparkle" highlight its metaphorical use for lively and energetic traits.</p> <p><b>Adjectives:</b> Descriptors such as "cheerful," "effervescent," and "sparkling" emphasize the vibrant and uplifting qualities of "bubbly." Terms like "energetic" and "fun" further extend its association with positivity and dynamism.</p> <p><b>Overall Insights:</b></p> <p>The expanded collocates confirm that "bubbly" is strongly tied to both literal and metaphorical contexts. It commonly describes effervescent beverages, such as champagne, while also conveying traits like liveliness, joy, and brightness in people or atmospheres. This dual usage highlights its versatility and vibrant connotations.</p>	<p><b>Summary:</b></p> <p><b>Nouns:</b> These nouns highlight the contexts where "bubbly" is often used, primarily associated with celebratory drinks like champagne and sparkling wine, but also extending to social gatherings and even relaxing baths.</p> <p><b>Adjectives:</b> These adjectives capture the two main senses of "bubbly." Some describe the physical characteristic of having bubbles, while others capture the metaphorical sense of a lively and cheerful personality.</p> <p><b>Overall,</b> the collocates of "bubbly" reveal its dual nature. It can refer to the literal presence of bubbles in a liquid, often in the context of celebratory drinks. It can also describe a person's personality, highlighting their cheerful, lively, and enthusiastic demeanor.</p>																																												



Sketch Engine

**nouns modified by "hydrothermal"**

**vent** ...  
hydrothermal vents  
· concentrated in: science ?  
· concentrated in: nature & environment ?  
· concentrated in: reference/encyclopedia ?

**liquefaction** ...  
hydrothermal liquefaction  
· concentrated in: Canadian domain .ca ?

**carbonization** ...  
hydrothermal carbonization

**alteration** ...  
hydrothermal alteration  
· concentrated in: science ?  
· concentrated in: economy & finance & business ?  
· concentrated in: news ?  
[show more \(1\)](#)

**breccia** ...  
hydrothermal breccias  
· concentrated in: multi-topic ?  
· concentrated in: news ?

**plume** ...  
hydrothermal plumes  
· concentrated in: science ?

**fluid** ...  
hydrothermal fluids

**"hydrothermal" and/or ...**

**seafloor** ...  
seafloor hydrothermal systems

**magmatic** ...  
magmatic and hydrothermal  
· concentrated in: Australian domain .au ?  
· concentrated in: Canadian domain .ca ?

**facile** ...  
a facile hydrothermal method

**submarine** ...  
submarine hydrothermal  
· concentrated in: reference/encyclopedia ?

**post-impact** ...  
post-impact hydrothermal activity

**solvothermal** ...  
hydrothermal and solvothermal

**microwave-assisted** ...  
microwave-assisted hydrothermal method

**ultramafic-hosted** ...  
ultramafic-hosted hydrothermal systems

**metamorphic** ...  
hydrothermal and metamorphic

**one-pot** ...  
by a one-pot hydrothermal method

iWeb

+ NOUN		NEW WORD	?	+ ADJ		NEW WORD	?
1941	11.95	vent		158	12.75	deep-sea	
394	3.76	system		148	5.37	deep	
337	4.96	activity		117	4.34	hot	
285	7.63	fluid		72	8.51	volcanic	
166	6.41	ocean		56	3.58	active	
158	6.66	deposit		46	3.69	cold	
154	8.80	alteration		42	2.29	black	
131	2.72	water		35	13.54	magmatic	
121	4.98	sea		26	4.51	chemical	
113	7.76	vein		24	8.20	geothermal	
110	6.50	mineral		24	10.35	metamorphic	
102	2.67	process		23	7.20	alkaline	
90	2.96	feature		23	9.83	undersea	
85	4.37	rock		19	2.55	rich	

GPT	Gemini																																												
<table border="1"> <thead> <tr> <th>Nouns</th> <th>Adjectives</th> </tr> </thead> <tbody> <tr><td>vent</td><td>geothermal</td></tr> <tr><td>system</td><td>submarine</td></tr> <tr><td>fluid</td><td>hot</td></tr> <tr><td>activity</td><td>active</td></tr> <tr><td>process</td><td>volcanic</td></tr> <tr><td>energy</td><td>deep-sea</td></tr> <tr><td>spring</td><td>mineral-rich</td></tr> <tr><td>alteration</td><td>underwater</td></tr> <tr><td>deposits</td><td>thermal</td></tr> <tr><td>circulation</td><td>dynamic</td></tr> </tbody> </table> <p><b>Summary of Collocates:</b>  <b>Nouns:</b> Words like "vent," "system," and "fluid" emphasize "hydrothermal" as relating to dynamic geological and thermal processes. Terms such as "spring," "deposits," and "circulation" further highlight its association with natural phenomena and mineral formations.  <b>Adjectives:</b> Descriptors like "geothermal," "hot," and "volcanic" underscore the heat-driven and geological nature of hydrothermal systems. Words like "deep-sea," "mineral-rich," and "dynamic" point to its occurrence in underwater environments and its resource-rich characteristics.  <b>Overall Insights:</b>                      The expanded collocates reinforce that "hydrothermal" is deeply connected to geological and geothermal processes, particularly in marine or volcanic settings. It describes systems that involve heat and water interactions, which play a critical role in creating dynamic ecosystems, mineral deposits, and geothermal energy sources</p>	Nouns	Adjectives	vent	geothermal	system	submarine	fluid	hot	activity	active	process	volcanic	energy	deep-sea	spring	mineral-rich	alteration	underwater	deposits	thermal	circulation	dynamic	<table border="1"> <thead> <tr> <th>Nouns</th> <th>Adjectives</th> </tr> </thead> <tbody> <tr><td>vent</td><td>geothermal</td></tr> <tr><td>fluid</td><td>volcanic</td></tr> <tr><td>system</td><td>submarine</td></tr> <tr><td>activity</td><td>hot</td></tr> <tr><td>circulation</td><td>active</td></tr> <tr><td>deposit</td><td>mineral</td></tr> <tr><td>energy</td><td>deep-sea</td></tr> <tr><td>resource</td><td>hydrothermal</td></tr> <tr><td>sulfide</td><td>metalliferous</td></tr> <tr><td>chimney</td><td>underwater</td></tr> </tbody> </table> <p><b>Summary:</b>  <b>Nouns:</b> These nouns point to the geological context of "hydrothermal," associating it with processes and features found in geologically active areas, particularly those related to volcanic activity and underwater environments like hydrothermal vents. They also highlight the economic potential of hydrothermal resources.  <b>Adjectives:</b> These adjectives reinforce the connection to heat and water, the defining characteristics of hydrothermal systems. They also emphasize the location of these systems, often found in volcanic or submarine environments.  <b>Overall,</b> the collocates of "hydrothermal" paint a picture of geologically active environments where hot water interacts with the Earth's crust. This interaction leads to the formation of unique features like hydrothermal vents and the circulation of mineral-rich fluids, which can have significant impacts on marine ecosystems and offer potential resources like geothermal energy and valuable mineral deposits.</p>	Nouns	Adjectives	vent	geothermal	fluid	volcanic	system	submarine	activity	hot	circulation	active	deposit	mineral	energy	deep-sea	resource	hydrothermal	sulfide	metalliferous	chimney	underwater
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Sketch Engine

nouns modified by "chewable"	"chewable" and/or ...
<b>tablet</b> chewable tablets • concentrated in: health ? • concentrated in: New Zealand domain .nz ?	<b>dispersible</b> chewable dispersible tablets
<b>multivitamin</b> chewable multivitamin	<b>5-mg</b> and 5-mg chewable
<b>gummy</b> chewable gummies	<b>gummy</b> chewable gummy
<b>antacid</b> chewable antacids	<b>beef-flavored</b> beef-flavored chewable
<b>Multivitamin</b> Kids Chewable Multivitamin	<b>sublingual</b> sublingual or chewable
<b>multi-vitamin</b> chewable multi-vitamins	<b>4-mg</b> the 4-mg chewable tablet
<b>aspirin</b> chewable aspirin	<b>4mg</b> paediatric 4mg chewable tablets
<b>vitamin</b> chewable vitamins	<b>cherry-flavored</b>
	<b>orange-flavored</b>
	<b>ascorbic</b>

iWeb

+ NOUN	NEW WORD	?	+ ADJ	NEW WORD	?
2138	10.19	tablet	142	2.79	available
387	7.57	vitamin	117	5.13	soft
298	4.54	form	102	6.85	liquid
187	2.90	child	95	7.33	tasty
163	4.48	dog	65	5.19	delicious
163	7.90	mg	55	5.89	oral
152	8.13	capsule	45	4.94	convenient
136	6.56	supplement	42	9.35	flavored
116	7.19	pill	34	8.80	probiotic
115	10.93	multivitamin	28	9.57	gummy
101	6.69	liquid	26	4.64	orange
96	7.10	calcium	25	2.27	regular
76	3.00	kid	25	3.45	monthly

GPT	Gemini																																												
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<p><b>Summary of Collocates:</b>  <b>Nouns:</b> Words like "tablet," "vitamin," and "supplement" emphasize the health-related applications of "chewable," while terms like "gum," "candy," and "treat" highlight its use in enjoyable and recreational contexts.  <b>Adjectives:</b> Descriptors such as "flavored," "soft," and "tasty" underline the sensory appeal of chewable products, while "digestible," "edible," and "convenient" emphasize their practicality and ease of use.  <b>Overall Insights:</b>                      The expanded collocates show that "chewable" is strongly associated with consumable products designed for ease, enjoyment, and appeal. It bridges the gap between practicality (e.g., supplements, medicine) and pleasure (e.g., candy, treats), highlighting its versatility in both health and recreational contexts.</p>	<p><b>Summary:</b>  <b>Nouns:</b> These nouns highlight the types of things that are often chewable, primarily focusing on medications, supplements, and treats like candy and gum. This emphasizes the association of "chewable" with things that are meant to be consumed orally.  <b>Adjectives:</b> These adjectives describe the qualities of chewable items, emphasizing ease of consumption (soft, easy), pleasant flavors (flavored, sweet, tasty, fruit), and suitability for children (child-friendly). They also point to the purpose of some chewables, particularly those that are medicinal.  <b>Overall,</b> the collocates of "chewable" paint a picture of items designed to be chewed, often for ease of consumption or to make them more appealing, especially to children. This includes medications, vitamins, supplements, and treats. The collocates emphasize the convenience and palatability of chewable forms, often highlighting their softness, pleasant flavors, and suitability for those who have difficulty swallowing pills.</p>																																												

swerve (VERB) (#13755) (go to beginning)

Sketch Engine

modifiers of "swerve"	objects of "swerve"	subjects of "swerve"	"swerve" and/or ...
<b>erratically</b> swerve erratically	<b>free-kick</b> a swerving free-kick	<b>confectioner</b>	<b>brake</b> braking and swerving - concentrated in: UK domain .uk ? - concentrated in: Australian domain .au ?
<b>violently</b> swerve violently	<b>off-course</b>	<b>bicyclist</b> bicyclist swerving	<b>skid</b> swerved and skidded
<b>drunkenly</b> swerve drunkenly	<b>iota</b>	<b>tractor-trailer</b>	<b>dip</b> dipped and swerved - concentrated in: news ? - concentrated in: UK domain .uk ?
<b>dangerously</b> swerve dangerously	<b>volley</b> a swerving volley	<b>semi-truck</b>	<b>veer</b> veer and swerve
<b>crazily</b> swerve crazily	<b>minivan</b>	<b>minivan</b>	<b>swoop</b> swooping and swerving
<b>unpredictably</b> swerve unpredictably	<b>manoeuvre</b>	<b>cyclist</b> cyclists swerve	<b>speed</b> speeding and swerving
<b>wildly</b> swerve wildly	<b>off-road</b>	<b>SUV</b> SUV swerved	<b>honk</b> honking and swerving
<b>unsteadily</b>	<b>sweetener</b>	<b>motorist</b> motorists swerve	<b>dodge</b> swerve and dodge
<b>sharply</b> swerve sharply	<b>pothole</b>	<b>driver</b> driver swerved - concentrated in: US domain .us ?	
<b>mady</b>	<b>van</b> van swerved	<b>van</b> van swerved	
	<b>kick</b> a swerving free kick - concentrated in: UK domain .uk ?	<b>jeep</b>	
	<b>truck</b>		

iWeb

+ NOUN	NEW WORD	?	+ ADJ	NEW WORD	?	+ VERB	NEW WORD	?	+ ADV	NEW WORD	?
1147	4.79	car	317	4.52	left	1478	6.39	avoid	360	3.38	around
766	4.99	road	273	10.65	oncoming	448	4.55	hit	292	2.04	back
713	7.35	lane	53	2.04	wrong	335	3.43	cause	234	5.86	suddenly
592	5.27	driver	44	3.77	opposite	320	4.40	miss	179	2.51	all
464	4.56	vehicle	38	5.12	drunk	199	7.97	brake	145	2.27	right
352	2.96	side	28	7.13	southbound	136	2.39	stop	77	2.10	quickly
315	4.96	traffic	27	7.61	parked	136	2.65	drive	76	4.07	forth
268	5.17	truck	25	3.83	sudden	111	3.58	force	63	4.28	aside
252	2.72	right	22	2.07	yellow	90	5.03	speed	62	6.82	sharply
164	3.86	path	20	2.23	driving	68	3.56	strike	61	2.29	hard
139	4.22	bus	15	6.67	eastbound	62	3.09	attempt	59	6.60	wildly
129	2.10	control	12	5.57	erratic	56	4.52	crash	47	7.37	dangerously
115	5.16	brake	11	4.78	interstate	48	3.70	slow	43	2.29	slightly
112	2.80	speed	11	6.78	speeding	38	5.96	dodge	43	7.19	violently

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<table border="1"> <thead> <tr> <th>adverbs</th> <th>objects</th> <th>subjects</th> <th>verbs</th> </tr> </thead> <tbody> <tr> <td>suddenly</td> <td>car</td> <td>driver</td> <td>avoid</td> </tr> <tr> <td>sharply</td> <td>vehicle</td> <td>motorist</td> <td>miss</td> </tr> <tr> <td>violently</td> <td>truck</td> <td>cyclist</td> <td>crash</td> </tr> <tr> <td>slightly</td> <td>bicycle</td> <td>car</td> <td>collide</td> </tr> <tr> <td>abruptly</td> <td>pedestrian</td> <td>vehicle</td> <td>veer</td> </tr> <tr> <td>narrowly</td> <td>obstacle</td> <td>truck</td> <td>turn</td> </tr> <tr> <td>wildly</td> <td>animal</td> <td>bus</td> <td>accelerate</td> </tr> <tr> <td>dangerously</td> <td>tree</td> <td>bicycle</td> <td>stop</td> </tr> </tbody> </table> <p><b>Modifiers (Adverbs):</b> Words like "suddenly," "sharply," and "abruptly" emphasize the rapid and unexpected nature of swerving, often implying urgency or danger.</p> <p><b>Objects:</b> Terms such as "car," "bicycle," and "pedestrian" suggest that swerving typically involves avoiding vehicles, people, or obstacles in motion or in the way.</p> <p><b>Subjects:</b> Words like "driver," "motorist," and "cyclist" highlight the individuals or vehicles responsible for swerving, often in response to immediate hazards.</p> <p><b>Co-Occurring Verbs:</b> Verbs like "avoid," "veer," and "crash" indicate the actions associated with swerving, whether to prevent accidents or as part of an evasive maneuver.</p> <p><b>Overall Summary:</b> The collocates reveal that "swerve" describes a sudden, sharp movement, often by a driver or vehicle, to avoid an obstacle or hazard. It is associated with dynamic and urgent scenarios, highlighting the quick decision-making and potential dangers involved in such actions. The context of "swerve" spans everyday driving challenges to more extreme or dangerous situations.</p>	adverbs	objects	subjects	verbs	suddenly	car	driver	avoid	sharply	vehicle	motorist	miss	violently	truck	cyclist	crash	slightly	bicycle	car	collide	abruptly	pedestrian	vehicle	veer	narrowly	obstacle	truck	turn	wildly	animal	bus	accelerate	dangerously	tree	bicycle	stop	<table border="1"> <thead> <tr> <th>adverbs</th> <th>objects</th> <th>subjects</th> <th>verbs</th> </tr> </thead> <tbody> <tr> <td>sharply</td> <td>car</td> <td>driver</td> <td>try</td> </tr> <tr> <td>suddenly</td> <td>vehicle</td> <td>cyclist</td> <td>veer</td> </tr> <tr> <td>violently</td> <td>ball</td> <td>bus</td> <td>skid</td> </tr> <tr> <td>dangerously</td> <td>path</td> <td>road</td> <td>avoid</td> </tr> <tr> <td>slightly</td> <td>obstacle</td> <td>player</td> <td>brake</td> </tr> <tr> <td>abruptly</td> <td>cyclist</td> <td>animal</td> <td>turn</td> </tr> <tr> <td>quickly</td> <td>collision</td> <td>horse</td> <td>lose</td> </tr> <tr> <td>immediately</td> <td>danger</td> <td>team</td> <td>regain</td> </tr> </tbody> </table> <p><b>Modifiers:</b> The adverbs modifying "swerve" emphasize the sudden and often unexpected nature of the change in direction, highlighting the potential danger or urgency of the situation.</p> <p><b>Objects:</b> The objects of "swerve" typically involve things that are being avoided, such as vehicles, obstacles, or people, reflecting the evasive nature of the action.</p> <p><b>Subjects:</b> The subjects of "swerve" are usually entities capable of controlled movement, like drivers, cyclists, or animals, indicating deliberate or instinctive reactions to avoid something.</p> <p><b>Co-occurring Verbs:</b> Verbs that co-occur with "swerve" often relate to attempts to control or regain control of movement, such as "try," "veer," "skid," and "avoid," further emphasizing the context of maneuvering and reacting to unexpected situations.</p> <p><b>Overall,</b> the collocates of "swerve" paint a picture of a sudden and often necessary change in direction to avoid something. It often involves a vehicle or a person reacting to an unexpected obstacle or danger, highlighting the need for quick reflexes and skillful maneuvering to avert a collision or accident.</p>	adverbs	objects	subjects	verbs	sharply	car	driver	try	suddenly	vehicle	cyclist	veer	violently	ball	bus	skid	dangerously	path	road	avoid	slightly	obstacle	player	brake	abruptly	cyclist	animal	turn	quickly	collision	horse	lose	immediately	danger	team	regain
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redevelop (VERB) (#24855) (go to beginning)

modifiers of "redevelop"	objects of "redevelop"	subjects of "redevelop"	"redevelop" and/or ...
<b>comprehensively</b> to comprehensively redevelop	<b>brownfield</b> redeveloping brownfields	<b>soon-to-be</b>	<b>demolish</b> demolished and redeveloped - concentrated in: reference/encyclopedia ? - concentrated in: UK domain .uk ?
<b>sympathetically</b> sympathetically redeveloped	<b>waterfront</b> redeveloped waterfront - concentrated in: reference/encyclopedia ?	<b>convection</b> convection redeveloped - usually in: reference/encyclopedia ?	<b>redesign</b> redesigned and redeveloped - concentrated in: UK domain .uk ?
<b>sensitively</b> been sensitively redeveloped	<b>Mall</b> Mall was redeveloped - concentrated in: reference/encyclopedia ?	<b>Properties</b> Properties redeveloped	<b>revitalize</b> redevelop and revitalize
<b>extensively</b> has been extensively redeveloped - concentrated in: reference/encyclopedia ? - concentrated in: UK domain .uk ?	<b>Stadium</b> Stadium was redeveloped - concentrated in: reference/encyclopedia ? - concentrated in: UK domain .uk ?	<b>Homes</b> redeveloped by Barratt Homes	<b>raze</b> razed and redeveloped
<b>newly</b> the newly redeveloped - concentrated in: Australian domain .au ? - concentrated in: UK domain .uk ?	<b>downtown</b> redevelop downtown	<b>Rail</b>	<b>reposition</b> reposition and redevelop
<b>sustainably</b>	<b>mail</b> redevelop the mall - concentrated in: reference/encyclopedia ?	<b>thunderstorm</b>	<b>rezon</b> rezoned and redeveloped
<b>completely</b> completely redeveloped - concentrated in: reference/encyclopedia ? - concentrated in: Australian domain .au ?	<b>riverfront</b> redevelop the riverfront	<b>Architects</b>	<b>remediating</b> remediating and redeveloping
		<b>downtown</b>	<b>refurbish</b>
		<b>Partners</b>	
		<b>parcel</b>	
		<b>corridor</b>	

+ NOUN	NEW WORD	?	+ ADJ	NEW WORD	?	+ VERB	NEW WORD	?	+ ADV	NEW WORD	?
1390	4.56	site	217	4.16	existing	299	3.62	plan	234	3.76	completely
888	4.73	property	109	4.71	residential	168	2.33	develop	211	3.41	recently
847	4.54	plan	105	4.40	historic	125	7.78	demolish	183	5.70	newly
737	3.30	area	100	4.16	industrial	86	4.16	house	132	2.57	currently
681	4.59	building	99	4.97	downtown	79	3.64	acquire	68	5.98	downtown
402	2.78	city	91	3.05	commercial	78	2.18	seek	50	3.68	since
342	4.34	land	79	3.54	retail	60	6.65	redesign	46	2.21	eventually
281	3.56	park	75	6.71	vacant	52	3.76	propose	45	5.38	extensively
240	2.31	project	69	3.87	urban	51	2.45	expand	35	2.69	successfully
201	4.05	centre	39	8.24	mixed-use	50	7.54	revitalize	29	2.19	entirely
182	3.77	station	36	4.66	ambitious	48	2.39	intend	28	2.54	potentially
179	2.38	million	35	5.68	abandoned	46	5.71	renovate	24	4.04	substantially

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**underplay (VERB) (#32955) (go to beginning)**

modifiers of "underplay"	objects of "underplay"	subjects of "underplay"	"underplay" and/or ...
<b>criminally</b> criminally underplayed	<b>seriousness</b> underplay the seriousness of	<b>IPCC</b> ...	<b>overplay</b> overplay or underplay
<b>shrewdly</b> ...	<b>severity</b> underplay the severity of	<b>actor</b> actors underplay	<b>underrate</b> underrated and underplayed
<b>smartly</b> smartly underplayed	<b>pathos</b> ...	<b>media</b> ...	<b>underpower</b> ...
<b>grossly</b> grossly underplayed	<b>significance</b> underplay the significance of - concentrated in: UK domain .uk ?	<b>documentary</b> ...	<b>understate</b> ...
<b>nicely</b> nicely underplayed - concentrated in: UK domain .uk ?	<b>heroism</b> ...	<b>medium</b> underplayed by the media	<b>overdo</b> ...
<b>skillfully</b> ...	<b>enormity</b> ...	<b>cast</b> ...	<b>overlook</b> overlooked or underplayed
<b>deftly</b> ...	<b>melodrama</b> ...	<b>historian</b> ...	<b>overstate</b> ...
		<b>bit</b> a bit underplayed	<b>underestimate</b> ...

+ NOUN	NEW WORD	?	+ ADJ	NEW WORD	?	+ VERB	NEW WORD	?	+ ADV	NEW WORD	?
107	4.76	role	15	2.93	potential	41	4.57	tend	58	3.06	often
69	6.05	importance	9	2.31	serious	33	2.11	seem	31	2.00	a
42	3.37	risk	8	2.96	western	26	4.73	ignore	23	6.05	nicely
35	3.67	impact	7	2.13	British	19	11.78	overplay	19	6.67	severely
33	2.49	fact	7	3.20	dynamic	18	5.36	overlook	16	2.47	bit
33	6.78	significance	6	2.08	official	7	3.84	accuse	15	6.56	deliberately
29	2.86	character	6	3.90	subtle	7	8.91	underrate	14	5.29	beautifully
27	3.72	scene	5	2.19	rare	5	6.09	exaggerate	12	2.69	rather
22	3.56	strength	5	2.27	cultural	4	3.19	stress	12	8.46	grossly
20	4.74	extent	5	4.06	mainstream	4	4.94	ground	12	9.36	criminally
18	2.21	ability	4	2.08	broad	3	2.01	lack	11	3.51	seriously
16	4.51	danger	4	2.08	historical	3	2.56	pose	11	3.83	somewhat

GPT				Gemini			
adverbs	objects	subjects	verbs	Modifiers	Objects	Subjects	Verbs
deliberately	importance	actor	emphasize	deliberately	role	actor	try
slightly	role	leader	exaggerate	significantly	importance	musician	tend
consistently	risk	critic	highlight	consistently	achievement	writer	choose
subtly	threat	government	downplay	intentionally	contribution	artist	attempt
arguably	significance	media	minimize	effectively	emotions	politician	manage
often	achievement	analyst	ignore	skillfully	danger	speaker	seem
intentionally	contribution	author	mention	subtly	risks	team	want
effectively	impact	organization	overlook	dramatically	hand	company	need
<p><b>Modifiers (Adverbs):</b> Words like "deliberately," "subtly," and "intentionally" suggest that underplaying is often a conscious or strategic act, while terms like "slightly" and "effectively" emphasize its nuanced execution.</p> <p><b>Objects:</b> Terms such as "importance," "role," and "risk" highlight that underplaying typically involves minimizing the perceived value or impact of an idea, action, or danger.</p> <p><b>Subjects:</b> Words like "actor," "critic," and "government" indicate the individuals or entities that commonly underplay, whether in creative, political, or analytical contexts.</p> <p><b>Co-Occurring Verbs:</b> Verbs like "downplay," "minimize," and "overlook" reinforce the act of reducing emphasis, while "emphasize" and "exaggerate" provide a contrast or alternative approach.</p> <p><b>Overall Summary:</b> The collocates reveal that "underplay" is often used to describe deliberate or subtle minimization of importance, risk, or impact by various actors, such as governments, critics, or organizations. It is frequently juxtaposed with actions like exaggeration or emphasis, suggesting its role in shaping perception through understatement or omission. The word is commonly used in analytical, creative, and rhetorical contexts.</p>				<p><b>Modifiers:</b> The adverbs modifying "underplay" often suggest intentionality and control, highlighting the deliberate nature of minimizing or downplaying something.</p> <p><b>Objects:</b> The objects of "underplay" frequently involve intangible things like roles, importance, achievements, or emotions, indicating a focus on minimizing the significance or impact of something.</p> <p><b>Subjects:</b> The subjects of "underplay" are typically individuals or groups capable of influencing perception or presentation, such as actors, musicians, writers, or politicians, suggesting a strategic or communicative intent.</p> <p><b>Co-occurring Verbs:</b> Verbs that co-occur with "underplay" often relate to intention, effort, or perception, such as "try," "tend," "choose," and "seem," further emphasizing the deliberate and strategic nature of underplaying.</p> <p><b>Overall,</b> the collocates of "underplay" paint a picture of deliberately minimizing or downplaying the significance of something. This might involve an actor subtly portraying a character's emotions, a musician using restraint in their performance, or a company downplaying the risks of a new venture. The collocates highlight the strategic nature of underplaying, often employed to manage perceptions, achieve a desired effect, or maintain control over a situation.</p>			