

# Englist.me



## Vocabulary Builder Reference from...

*Honor Harger: A history of the universe in sound | TED Talk*

[https://www.ted.com/talks/honor\\_harger\\_a\\_history\\_of\\_the\\_universe\\_in\\_sound](https://www.ted.com/talks/honor_harger_a_history_of_the_universe_in_sound)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### speculate

v. to form a theory or conjecture or guess about a subject without solid evidence

*synonym*: assume, conjecture, infer

(1) **speculate** about the reason, (2) **speculate** on the outcome

He **speculated** that this investment would lead to success.

### crackle

v. to make a succession of slight popping sounds, often due to the heating or drying of some materials, such as firewood, paper, plastic, or food; to snap, crack, or crunch; (noun) a series of sharp, popping sounds that are caused by the rapid expansion and contraction of a material, such as wood or paper, due to changes in temperature or humidity

*synonym*: sizzle, hiss, snap

(1) **crackle** on the gravel road, (2) the **crackle** of the thunder

The firewood **crackled** and popped into the fireplace, sending sparks up the chimney.

### Jovian

*adj.* relating to Jupiter or its characteristics

*synonym*: Jupiter, giant planet

(1) **Jovian** satellites, (2) **Jovian** planet

The **Jovian** moon Europa is believed to have an ocean beneath its icy surface.

## pirouette

*n.* a rapid spin of the body on the toes or the front part of the foot, especially performed by a ballet dancer

*synonym*: gyration, whirl, gyration

(1) perform a **pirouette**, (2) moves into a **pirouette**

She turned a triple **pirouette** on the ice.

## condense

*v.* to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated

*synonym*: compress, compact, shorten

(1) **condense** the text, (2) **condense** water vapor

I need to **condense** all of my notes into a manageable summary for my presentation.

## clump

*n.* a small group of bushes, trees, flowers, people, etc.

*synonym*: cluster, bunch, bundle

(1) **clump** of bacteria, (2) a **clump** of trees

I heard the **clump** of his boots in the hallway.

## emit

*v.* to give off or send out something such as light, heat, sound, gas, etc.

*synonym*: give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

## celestial

*adj.* relating to the sky or the heavens; of or like the sky or the heavens

*synonym*: heavenly, divine, ethereal

(1) **celestial** bliss, (2) **celestial** navigation

The **celestial** bodies in the night sky were beautiful to behold.

## pulsar

*n.* a highly magnetized, rotating neutron star that emits beams of electromagnetic radiation, which can be

observed as regular pulses of light

*synonym* : neutron star, pulsating star, radio star

(1) **pulsar** magnetosphere, (2) gamma-ray **pulsar**

The astronomers detected a **pulsar** in the center of the galaxy.

## astronomer

*n.* a physicist who studies astronomy

*synonym* : stargazer, cosmologist, astrophysicist

(1) amateur **astronomer**, (2) solar **astronomer**

This question has fascinated solar **astronomers** for decades.

## astronomical

*adj.* relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude

*synonym* : huge, vast, enormous

(1) **astronomical** observation, (2) **astronomical** numbers

The cost of the new equipment was **astronomical** and beyond the company's budget.

## uncover

*v.* to remove the cover from something; to discover something previously unseen or hidden

*synonym* : disclose, reveal, unveil

(1) **uncover** a potential problem, (2) **uncover** the truth

He continued his investigation and soon **uncovered** another crime.

## punctuate

*v.* to insert punctuation marks (= comma, period, colon, etc.) in the text; to interrupt periodically

*synonym* : emphasize, accent, mark

(1) **punctuate** a sentence, (2) **punctuate** his talk

Strikes had also **punctuated** the preceding weeks.

## anecdote

*n.* a short and amusing or interesting story about a real incident or person

*synonym* : story, account, tale

(1) personal **anecdote**, (2) funny **anecdote**

She entertained the guests with **anecdotes** about her travels and experiences.

## futurist

*n.* a person who studies or predicts trends and developments, particularly in science, technology, or social systems, to anticipate what the future may hold

*synonym*: foreseer, prophet, fortune-teller

(1) **futurist** architecture, (2) **futurist** ideas

The radical **futurist** predicted that virtual reality would become a standard in everyday life.

## graham

*n.* a type of flour made from whole wheat that has had the bran and germ removed and is often used to make crackers or cookies; a cracker made with this type of flour

*synonym*: cracker, biscuit, wafer

(1) **graham** bread, (2) **graham** flour

I enjoyed my camping trip with friends, toasting marshmallows over a glowing **graham** cracker.

## rooftop

*n.* the upper surface or cover of a building's roof, often used for recreational or other purposes

*synonym*: roof, terrace, deck

(1) **rooftop** live, (2) **rooftop** deck

They held the dinner party on the **rooftop** terrace, enjoying the beautiful view of the city.

## inadvertently

*adv.* unintentionally; accidentally; without purpose or deliberate intent

*synonym*: unknowingly, unintentionally, accidentally

(1) **inadvertently** deleted, (2) **inadvertently** omitted

I **inadvertently** left my phone at home this morning and felt lost.

## hiss

*v.* to make a sound similar to a sharp exhalation or steam escaping under pressure, often expressing disapproval, anger, or fear; to produce a sound that is shrill and

prolonged, often resembling the hissing of a snake;  
(noun) a sound or noise made by a person or animal,  
characterized by a sharp, prolonged "s" sound

*synonym*: whish, sibilate, wheeze

(1) **hiss** warningly at the intruder, (2) the **hiss** of a snake  
The cat arched its back and **hissed** at the approaching dog.

## chirp

*n.* a short, sharp sound that is made by birds or insects or  
by electronic devices such as alarms or beepers

*synonym*: tweet, chirrup, peep

(1) the **chirp** of a bird, (2) the **chirp** of a cricket  
The sound of the **chirp** woke me up early in the morning.

## whistle

*v.* to make a high-pitched sound by forcing breath through  
a small opening, usually with the lips or fingers; (noun) a  
piece of equipment that forces air or steam against an  
edge or into a cavity and so produces a loud shrill sound

*synonym*: sound, honk, tweet

(1) **whistle** a tune, (2) **whistle** for help  
The employee decided to **whistle-blow** on the company's  
illegal activities.

## hertz

*n.* the unit of frequency, equal to one cycle per second,  
often used to describe the frequency of electromagnetic  
waves or electronic signals

*synonym*: frequency, cycles per second

(1) audio **hertz**, (2) tera- **hertz** radiation  
The human ear can detect sounds with frequencies ranging  
from 20 to 20,000 **hertz**.

## eerie

*adj.* strange, or frightening; suggestive of the supernatural

*synonym*: bizarre, creepy, dreadful

(1) **eerie** silence, (2) the **eerie** whistle of dropping bombs  
The street was entirely silent and a bit **eerie**.

## melodious

*adj.* pleasing or agreeable to the ear; characterized by a  
sweet or harmonious sound; musical or tuneful in nature

*synonym* : harmonious, musical, tuneful

(1) **melodious** voice, (2) **melodious** harmony

The wind chimes hanging in the garden made a **melodious** sound when the wind blew, adding charm to the atmosphere.

## ionosphere

*n.* the region of the Earth's atmosphere that starts at about 50 kilometers above the surface and extends into outer space, containing a high concentration of ions and free electrons

*synonym* : upper atmosphere, atmosphere, stratosphere

(1) upper **ionosphere**, (2) mid-latitude **ionosphere**

Scientists use **ionosphere** monitoring stations to keep track of solar activities and their impact on our planet.

## aurora

*n.* a natural appearance of colored light in Earth's sky that is usually seen in high-latitude regions, especially around the Arctic and Antarctic

(1) **aurora** watching, (2) polar **aurora**

Northern and southern hemispheres alike experience the **aurora**.

## sling

*v.* to throw or drop something somewhere carelessly; to hang loosely or freely; (noun) a length of rope, fabric, or chain used to support or lift something

*synonym* : throw, hang, (noun) harness

(1) **sling** an arrow, (2) **sling** shot

The children were playing by **slinging** stones at the monument.

## seabed

*n.* the bottom of a sea or ocean; the surface of the sea's bed, which can be rocky, sandy, muddy, or covered with coral or other organisms

*synonym* : ocean floor, sea bottom

(1) **seabed** mining, (2) **seabed** habitat

The dense coral reefs on the **seabed** provide a home for various marine life.

## codec

*n.* a device or software algorithm that compresses or decompresses digital audio or video data, allowing for efficient transmission or storage

*synonym* : compression-decompression algorithm

(1) audio **codec**, (2) video **codec**

The video file could not be played because the necessary **codec** was missing.

## prosaic

*adj.* lacking excitement, imagination, or originality; dull, ordinary, or commonplace; relating to or characteristic of prose rather than poetry

*synonym* : mundane, ordinary, dull

(1) **prosaic** language, (2) **prosaic** approach

The book's **prosaic** writing style left me uninterested despite the dramatic premise.

## telltale

*adj.* revealing or betraying information or evidence; serving as a sign or indicator of something

*synonym* : revealing, indicative, suggestive

(1) **telltale** evidence, (2) **telltale** heart

The **telltale** signs of a dishonest employee were missing files and constant delay.

## originate

*v.* to come into existence in a particular place or situation; to start something in a specific place

*synonym* : begin, arise, create

(1) **originate** from the country, (2) **originate** a political movement

The flight **originates** in Vancouver.

## loudspeaker

*n.* an electronic device that amplifies sound, typically used to address a large audience or to play music or other audio content in public areas

*synonym* : speaker, loudhailer, megaphone

(1) wireless **loudspeaker**, (2) **loudspeaker** system

The teacher spoke through the **loudspeaker** so that every student could hear the announcement.

## fidelity

*n.* faithfulness to a person, cause, or thing; loyalty or devotion to a duty or obligation; accuracy or exactness in reproducing or representing something

*synonym* : loyalty, devotion, allegiance

(1) **fidelity** guarantee deposit, (2) high **fidelity** music

The couple promised each other **fidelity** in their marriage VOWS.

## glitch

*n.* a minor problem or malfunction, especially in a computer program, system, or machine

*synonym* : malfunction, bug, fault

(1) computer **glitch**, (2) unanticipated **glitch**

The computer system had a minor **glitch** that caused a delay.

## disrupt

*v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

*synonym* : interrupt, disturb, break into

(1) **disrupt** a well-ordered condition, (2) **disrupt** sleep

I'm so sorry to **disrupt** you when you're pretty busy.

## pigeon

*n.* a stout-bodied bird with a small head, short legs, and a short, cooing call, typically found in cities and domesticated for food

(1) a racing **pigeon**, (2) **pigeon** on the roof

The **pigeon** perched on the windowsill, pecking at the bread crumbs left for it.

## roost

*n.* a place where birds rest or sleep, typically on a branch or in a birdhouse or coop

*synonym* : perch, nest, roosting place

(1) wild **roost**, (2) bird **roost**

The chickens return to their **roost** at sunset every night.



## Session 2: Spelling

1. sp\_\_\_\_\_te about the reason      *v.* to form a theory or conjecture or guess about a subject without solid evidence
2. ina\_\_\_\_\_tly omitted      *adv.* unintentionally; accidentally; without purpose or deliberate intent
3. polar au\_\_\_a      *n.* a natural appearance of colored light in Earth's sky that is usually seen in high-latitude regions, especially around the Arctic and Antarctic
4. ro\_\_\_\_\_p deck      *n.* the upper surface or cover of a building's roof, often used for recreational or other purposes
5. the ch\_\_p of a cricket      *n.* a short, sharp sound that is made by birds or insects or by electronic devices such as alarms or beepers
6. h\_\_s warningly at the intruder      *v.* to make a sound similar to a sharp exhalation or steam escaping under pressure, often expressing disapproval, anger, or fear; to produce a sound that is shrill and prolonged, often resembling the hissing of a snake; (*noun*) a sound or noise made by a person or animal, characterized by a sharp, prolonged "s" sound
7. pr\_\_\_\_\_c approach      *adj.* lacking excitement, imagination, or originality; dull, ordinary, or commonplace; relating to or characteristic of prose rather than poetry

ANSWERS: 1. speculate, 2. inadvertently, 3. aurora, 4. rooftop, 5. chirp, 6. hiss, 7. prosaic

8. Jo\_\_\_n planet *adj.* relating to Jupiter or its characteristics
9. un\_\_\_\_r the truth *v.* to remove the cover from something; to discover something previously unseen or hidden
10. pi\_\_\_n on the roof *n.* a stout-bodied bird with a small head, short legs, and a short, cooing call, typically found in cities and domesticated for food
11. co\_\_\_\_se the text *v.* to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated
12. the ee\_\_e whistle of dropping bombs *adj.* strange, or frightening; suggestive of the supernatural
13. or\_\_\_\_te a political movement *v.* to come into existence in a particular place or situation; to start something in a specific place
14. ro\_\_\_\_p live *n.* the upper surface or cover of a building's roof, often used for recreational or other purposes
15. ina\_\_\_\_\_tly deleted *adv.* unintentionally; accidentally; without purpose or deliberate intent
16. fi\_\_\_\_ty guarantee deposit *n.* faithfulness to a person, cause, or thing; loyalty or devotion to a duty or obligation; accuracy or exactness in reproducing or representing something
17. wh\_\_\_\_e for help *v.* to make a high-pitched sound by forcing breath through a small opening, usually with the lips or fingers; (noun) a piece of equipment that forces air or steam against an edge or into a cavity and so produces a loud shrill sound

ANSWERS: 8. Jovian, 9. uncover, 10. pigeon, 11. condense, 12. eerie, 13. originate, 14. rooftop, 15. inadvertently, 16. fidelity, 17. whistle

18. unanticipated gl\_\_\_h *n.* a minor problem or malfunction, especially in a computer program, system, or machine
19. se\_\_\_d habitat *n.* the bottom of a sea or ocean; the surface of the sea's bed, which can be rocky, sandy, muddy, or covered with coral or other organisms
20. pu\_\_\_\_\_te his talk *v.* to insert punctuation marks (= comma, period, colon, etc.) in the text; to interrupt periodically
21. wild ro\_\_t *n.* a place where birds rest or sleep, typically on a branch or in a birdhouse or coop
22. un\_\_\_\_\_r a potential problem *v.* to remove the cover from something; to discover something previously unseen or hidden
23. te\_\_\_\_\_le heart *adj.* revealing or betraying information or evidence; serving as a sign or indicator of something
24. ast\_\_\_\_\_cal observation *adj.* relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude
25. funny an\_\_\_\_\_te *n.* a short and amusing or interesting story about a real incident or person
26. upper ion\_\_\_\_\_re *n.* the region of the Earth's atmosphere that starts at about 50 kilometers above the surface and extends into outer space, containing a high concentration of ions and free electrons

ANSWERS: 18. glitch, 19. seabed, 20. punctuate, 21. roost, 22. uncover, 23. telltale, 24. astronomical, 25. anecdote, 26. ionosphere

27. sl\_\_g shot
- v. to throw or drop something somewhere carelessly; to hang loosely or freely; (noun) a length of rope, fabric, or chain used to support or lift something
28. cr\_\_\_\_\_e on the gravel road
- v. to make a succession of slight popping sounds, often due to the heating or drying of some materials, such as firewood, paper, plastic, or food; to snap, crack, or crunch; (noun) a series of sharp, popping sounds that are caused by the rapid expansion and contraction of a material, such as wood or paper, due to changes in temperature or humidity
29. video co\_\_c
- n. a device or software algorithm that compresses or decompresses digital audio or video data, allowing for efficient transmission or storage
30. solar ast\_\_\_\_\_er
- n. a physicist who studies astronomy
31. perform a pi\_\_\_\_\_te
- n. a rapid spin of the body on the toes or the front part of the foot, especially performed by a ballet dancer
32. co\_\_\_\_\_se water vapor
- v. to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated
33. personal an\_\_\_\_\_te
- n. a short and amusing or interesting story about a real incident or person
34. fu\_\_\_\_\_st ideas
- n. a person who studies or predicts trends and developments, particularly in science, technology, or social systems, to anticipate what the future may hold

ANSWERS: 27. sling, 28. crackle, 29. codec, 30. astronomer, 31. pirouette, 32. condense, 33. anecdote, 34. futurist

35. wh\_\_\_\_e a tune  
*v.* to make a high-pitched sound by forcing breath through a small opening, usually with the lips or fingers; (noun) a piece of equipment that forces air or steam against an edge or into a cavity and so produces a loud shrill sound
36. a cl\_\_p of trees  
*n.* a small group of bushes, trees, flowers, people, etc.
37. di\_\_\_\_t a well-ordered condition  
*v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
38. ee\_\_e silence  
*adj.* strange, or frightening; suggestive of the supernatural
39. Jo\_\_\_\_n satellites  
*adj.* relating to Jupiter or its characteristics
40. au\_\_\_\_a watching  
*n.* a natural appearance of colored light in Earth's sky that is usually seen in high-latitude regions, especially around the Arctic and Antarctic
41. lou\_\_\_\_er system  
*n.* an electronic device that amplifies sound, typically used to address a large audience or to play music or other audio content in public areas
42. mid-latitude ion\_\_\_\_re  
*n.* the region of the Earth's atmosphere that starts at about 50 kilometers above the surface and extends into outer space, containing a high concentration of ions and free electrons
43. a racing pi\_\_\_\_n  
*n.* a stout-bodied bird with a small head, short legs, and a short, cooing call, typically found in cities and domesticated for food

ANSWERS: 35. whistle, 36. clump, 37. disrupt, 38. eerie, 39. Jovian, 40. aurora, 41. loudspeaker, 42. ionosphere, 43. pigeon

44. gr\_\_\_m flour *n.* a type of flour made from whole wheat that has had the bran and germ removed and is often used to make crackers or cookies; a cracker made with this type of flour
45. high fi\_\_\_\_\_ty music *n.* faithfulness to a person, cause, or thing; loyalty or devotion to a duty or obligation; accuracy or exactness in reproducing or representing something
46. pu\_\_\_r magnetosphere *n.* a highly magnetized, rotating neutron star that emits beams of electromagnetic radiation, which can be observed as regular pulses of light
47. audio he\_\_z *n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals
48. e\_\_t air pollution *v.* to give off or send out something such as light, heat, sound, gas, etc.
49. bird ro\_\_t *n.* a place where birds rest or sleep, typically on a branch or in a birdhouse or coop
50. te\_\_\_\_\_le evidence *adj.* revealing or betraying information or evidence; serving as a sign or indicator of something
51. di\_\_\_\_\_t sleep *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
52. me\_\_\_\_\_us harmony *adj.* pleasing or agreeable to the ear; characterized by a sweet or harmonious sound; musical or tuneful in nature

ANSWERS: 44. graham, 45. fidelity, 46. pulsar, 47. hertz, 48. emit, 49. roost, 50. telltale, 51. disrupt, 52. melodious

53. se\_\_\_d mining *n.* the bottom of a sea or ocean; the surface of the sea's bed, which can be rocky, sandy, muddy, or covered with coral or other organisms
54. gr\_\_\_m bread *n.* a type of flour made from whole wheat that has had the bran and germ removed and is often used to make crackers or cookies; a cracker made with this type of flour
55. ast\_\_\_\_\_cal numbers *adj.* relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude
56. pr\_\_\_\_\_c language *adj.* lacking excitement, imagination, or originality; dull, ordinary, or commonplace; relating to or characteristic of prose rather than poetry
57. moves into a pi\_\_\_\_\_te *n.* a rapid spin of the body on the toes or the front part of the foot, especially performed by a ballet dancer
58. tera-he\_\_z radiation *n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals
59. gamma-ray pu\_\_\_r *n.* a highly magnetized, rotating neutron star that emits beams of electromagnetic radiation, which can be observed as regular pulses of light
60. cl\_\_p of bacteria *n.* a small group of bushes, trees, flowers, people, etc.

ANSWERS: 53. seabed, 54. graham, 55. astronomical, 56. prosaic, 57. pirouette, 58. hertz, 59. pulsar, 60. clump

61. the cr\_\_\_\_e of the thunder      *v.* to make a succession of slight popping sounds, often due to the heating or drying of some materials, such as firewood, paper, plastic, or food; to snap, crack, or crunch; (noun) a series of sharp, popping sounds that are caused by the rapid expansion and contraction of a material, such as wood or paper, due to changes in temperature or humidity
62. audio co\_\_c      *n.* a device or software algorithm that compresses or decompresses digital audio or video data, allowing for efficient transmission or storage
63. fu\_\_\_\_st architecture      *n.* a person who studies or predicts trends and developments, particularly in science, technology, or social systems, to anticipate what the future may hold
64. sp\_\_\_\_\_te on the outcome      *v.* to form a theory or conjecture or guess about a subject without solid evidence
65. pu\_\_\_\_\_te a sentence      *v.* to insert punctuation marks (= comma, period, colon, etc.) in the text; to interrupt periodically
66. sl\_\_g an arrow      *v.* to throw or drop something somewhere carelessly; to hang loosely or freely; (noun) a length of rope, fabric, or chain used to support or lift something
67. computer gl\_\_\_h      *n.* a minor problem or malfunction, especially in a computer program, system, or machine

ANSWERS: 61. crackle, 62. codec, 63. futurist, 64. speculate, 65. punctuate, 66. sling, 67. glitch



68. the h\_\_s of a snake
69. ce\_\_\_\_\_al bliss
70. wireless lou\_\_\_\_\_er
71. the ch\_\_p of a bird
72. me\_\_\_\_\_us voice
73. or\_\_\_\_\_te from the country
74. amateur ast\_\_\_\_\_er
75. e\_\_t a gamma ray
76. ce\_\_\_\_\_al navigation
- v.* to make a sound similar to a sharp exhalation or steam escaping under pressure, often expressing disapproval, anger, or fear; to produce a sound that is shrill and prolonged, often resembling the hissing of a snake; (noun) a sound or noise made by a person or animal, characterized by a sharp, prolonged "s" sound
- adj.* relating to the sky or the heavens; of or like the sky or the heavens
- n.* an electronic device that amplifies sound, typically used to address a large audience or to play music or other audio content in public areas
- n.* a short, sharp sound that is made by birds or insects or by electronic devices such as alarms or beepers
- adj.* pleasing or agreeable to the ear; characterized by a sweet or harmonious sound; musical or tuneful in nature
- v.* to come into existence in a particular place or situation; to start something in a specific place
- n.* a physicist who studies astronomy
- v.* to give off or send out something such as light, heat, sound, gas, etc.
- adj.* relating to the sky or the heavens; of or like the sky or the heavens

ANSWERS: 68. hiss, 69. celestial, 70. loudspeaker, 71. chirp, 72. melodious, 73. originate, 74. astronomer, 75. emit, 76. celestial

ANSWERS:

## Session 3: Fill in the Blanks

1. Strikes had also \_\_\_\_\_ the preceding weeks.  
*v.* to insert punctuation marks (= comma, period, colon, etc.) in the text; to interrupt periodically
2. I \_\_\_\_\_ left my phone at home this morning and felt lost.  
*adv.* unintentionally; accidentally; without purpose or deliberate intent
3. The computer system had a minor \_\_\_\_\_ that caused a delay.  
*n.* a minor problem or malfunction, especially in a computer program, system, or machine
4. The \_\_\_\_\_ perched on the windowsill, pecking at the bread crumbs left for it.  
*n.* a stout-bodied bird with a small head, short legs, and a short, cooing call, typically found in cities and domesticated for food
5. She entertained the guests with \_\_\_\_\_ about her travels and experiences.  
*n.* a short and amusing or interesting story about a real incident or person
6. The wind chimes hanging in the garden made a \_\_\_\_\_ sound when the wind blew, adding charm to the atmosphere.  
*adj.* pleasing or agreeable to the ear; characterized by a sweet or harmonious sound; musical or tuneful in nature
7. They held the dinner party on the \_\_\_\_\_ terrace, enjoying the beautiful view of the city.  
*n.* the upper surface or cover of a building's roof, often used for recreational or other purposes

ANSWERS: 1. punctuated, 2. inadvertently, 3. glitch, 4. pigeon, 5. anecdotes, 6. melodious, 7. rooftop

8. The couple promised each other \_\_\_\_\_ in their marriage vows.  
*n.* faithfulness to a person, cause, or thing; loyalty or devotion to a duty or obligation; accuracy or exactness in reproducing or representing something
9. This question has fascinated solar \_\_\_\_\_ for decades.  
*n.* a physicist who studies astronomy
10. The children were playing by \_\_\_\_\_ stones at the monument.  
*v.* to throw or drop something somewhere carelessly; to hang loosely or freely;  
(noun) a length of rope, fabric, or chain used to support or lift something
11. During the unloading, the container box \_\_\_\_\_ a clicking sound.  
*v.* to give off or send out something such as light, heat, sound, gas, etc.
12. The \_\_\_\_\_ bodies in the night sky were beautiful to behold.  
*adj.* relating to the sky or the heavens; of or like the sky or the heavens
13. The cost of the new equipment was \_\_\_\_\_ and beyond the company's budget.  
*adj.* relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude
14. I'm so sorry to \_\_\_\_\_ you when you're pretty busy.  
*v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
15. I enjoyed my camping trip with friends, toasting marshmallows over a glowing \_\_\_\_\_ cracker.  
*n.* a type of flour made from whole wheat that has had the bran and germ removed and is often used to make crackers or cookies; a cracker made with this type of flour

ANSWERS: 8. fidelity, 9. astronomers, 10. slinging, 11. emits, 12. celestial, 13. astronomical, 14. disrupt, 15. graham

16. The flight \_\_\_\_\_ in Vancouver.

- v.* to come into existence in a particular place or situation; to start something in a specific place

17. The video file could not be played because the necessary \_\_\_\_\_ was missing.

- n.* a device or software algorithm that compresses or decompresses digital audio or video data, allowing for efficient transmission or storage

18. The human ear can detect sounds with frequencies ranging from 20 to 20,000 \_\_\_\_\_.

- n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals

19. The astronomers detected a \_\_\_\_\_ in the center of the galaxy.

- n.* a highly magnetized, rotating neutron star that emits beams of electromagnetic radiation, which can be observed as regular pulses of light

20. The \_\_\_\_\_ signs of a dishonest employee were missing files and constant delay.

- adj.* revealing or betraying information or evidence; serving as a sign or indicator of something

21. I heard the \_\_\_\_\_ of his boots in the hallway.

- n.* a small group of bushes, trees, flowers, people, etc.

22. The street was entirely silent and a bit \_\_\_\_\_.

- adj.* strange, or frightening; suggestive of the supernatural

23. The chickens return to their \_\_\_\_\_ at sunset every night.

- n.* a place where birds rest or sleep, typically on a branch or in a birdhouse or coop

ANSWERS: 16. originates, 17. codec, 18. hertz, 19. pulsar, 20. telltale, 21. clump, 22. eerie, 23. roost

24. Scientists use \_\_\_\_\_ monitoring stations to keep track of solar activities and their impact on our planet.
- n.* the region of the Earth's atmosphere that starts at about 50 kilometers above the surface and extends into outer space, containing a high concentration of ions and free electrons
25. The employee decided to \_\_\_\_\_ on the company's illegal activities.
- v.* to make a high-pitched sound by forcing breath through a small opening, usually with the lips or fingers; (noun) a piece of equipment that forces air or steam against an edge or into a cavity and so produces a loud shrill sound
26. I need to \_\_\_\_\_ all of my notes into a manageable summary for my presentation.
- v.* to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated
27. She turned a triple \_\_\_\_\_ on the ice.
- n.* a rapid spin of the body on the toes or the front part of the foot, especially performed by a ballet dancer
28. He continued his investigation and soon \_\_\_\_\_ another crime.
- v.* to remove the cover from something; to discover something previously unseen or hidden
29. The firewood \_\_\_\_\_ and popped into the fireplace, sending sparks up the chimney.
- v.* to make a succession of slight popping sounds, often due to the heating or drying of some materials, such as firewood, paper, plastic, or food; to snap, crack, or crunch; (noun) a series of sharp, popping sounds that are caused by the rapid expansion and contraction of a material, such as wood or paper, due to changes in temperature or humidity

ANSWERS: 24. ionosphere, 25. whistle-blow, 26. condense, 27. pirouette, 28. uncovered, 29. crackled

30. The \_\_\_\_\_ moon Europa is believed to have an ocean beneath its icy surface.

*adj.* relating to Jupiter or its characteristics

31. The cat arched its back and \_\_\_\_\_ at the approaching dog.

*v.* to make a sound similar to a sharp exhalation or steam escaping under pressure, often expressing disapproval, anger, or fear; to produce a sound that is shrill and prolonged, often resembling the hissing of a snake; (noun) a sound or noise made by a person or animal, characterized by a sharp, prolonged "s" sound

32. The dense coral reefs on the \_\_\_\_\_ provide a home for various marine life.

*n.* the bottom of a sea or ocean; the surface of the sea's bed, which can be rocky, sandy, muddy, or covered with coral or other organisms

33. The sound of the \_\_\_\_\_ woke me up early in the morning.

*n.* a short, sharp sound that is made by birds or insects or by electronic devices such as alarms or beepers

34. The book's \_\_\_\_\_ writing style left me uninterested despite the dramatic premise.

*adj.* lacking excitement, imagination, or originality; dull, ordinary, or commonplace; relating to or characteristic of prose rather than poetry

35. The radical \_\_\_\_\_ predicted that virtual reality would become a standard in everyday life.

*n.* a person who studies or predicts trends and developments, particularly in science, technology, or social systems, to anticipate what the future may hold

36. The teacher spoke through the \_\_\_\_\_ so that every student could hear the announcement.

*n.* an electronic device that amplifies sound, typically used to address a large audience or to play music or other audio content in public areas

ANSWERS: 30. Jovian, 31. hissed, 32. seabed, 33. chirp, 34. prosaic, 35. futurist, 36. loudspeaker

37. Northern and southern hemispheres alike experience the \_\_\_\_\_.

- n.* a natural appearance of colored light in Earth's sky that is usually seen in high-latitude regions, especially around the Arctic and Antarctic

38. He \_\_\_\_\_ that this investment would lead to success.

- v.* to form a theory or conjecture or guess about a subject without solid evidence

ANSWERS: 37. aurora, 38. speculated