

# Englist.me



## Vocabulary Builder Reference from...

Leslie Kenna: *The brilliance of bioluminescence* |  
TED Talk

[https://www.ted.com/talks/leslie\\_kenna\\_the\\_brilliance\\_of\\_bioluminescence](https://www.ted.com/talks/leslie_kenna_the_brilliance_of_bioluminescence)

### All Words

#### IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

## Session 1: Word List

### creep

v. to move slowly, quietly, and carefully, usually to avoid being seen or heard

*synonym*: crawl, glide, encroach

(1) **creep** along the leaf, (2) **creep** toward the mouse

Aging **creeps** up slowly with time.

### investigate

v. to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

*synonym*: examine, analyze, look into

(1) **investigate** the matter, (2) **investigate** a data leak

The committee **investigated** several apparent inconsistencies.

### flit

v. to move quickly and lightly from place to place, often without purpose or direction; to flutter or dart quickly, like a bird or insect

*synonym*: flutter, dart, skim

(1) **flit** away into the darkness, (2) **flit** from place to place

The butterfly would **flit** from flower to flower, collecting nectar.

### anglerfish

n. a type of deep-sea fish that possesses a long, stalk-like appendage on its head with a glowing tip that it uses to

attract prey; known for their unusual and often menacing appearance

(1) **anglerfish** habitat, (2) bioluminescent **anglerfish**

The deep-sea **anglerfish** is one of the ocean's most fascinating creatures, living in harsh and extreme conditions.

## creature

*n.* a living being, especially an animal

*synonym*: being, animal, organism

(1) **creature** of habit, (2) artificial **creature**

The deep sea **creature** was unlike anything the scientists had ever seen before.

## appreciate

*v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone

*synonym*: acknowledge, admire, enjoy

(1) **appreciate** her feedback, (2) **appreciate** the value

We would **appreciate** an early reply.

## bioluminescence

*n.* the production and emission of light by living creatures, such as glowworms, fireflies, etc.

(1) firefly **bioluminescence**, (2) **bioluminescence** of biological sample

Certain squids acquire symbiotic **bioluminescence** by feeding on specific microorganisms.

## refer

*v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

*synonym*: cite, allude, mention

(1) **refer** to a book, (2) **refer** to a map

Please **refer** to the instruction manual for further assistance.

## wax

*n.* a substance that is solid at room temperature but becomes softer and more pliable when heated, often used in the production of candles, polishes, and cosmetics; (verb) to become large

(1) **wax** finish, (2) **wax** and wane

He sealed the letter with a **wax** seal.

## nail

*n.* a thin, pointed piece of metal with a flat head used for fastening things together; the thin hard layer covering and protecting the outer tip of the fingers or toes

*synonym*: pin, tack, fastener

(1) rusty **nail**, (2) **nail** clipper

He used a hammer and round **nail** to fix the loose board on the fence.

## glow

*v.* to give out a steady, strong light

*synonym*: shine, radiate, beam

(1) **glow** a pale orange, (2) **glow** gold in the light

The sun was setting, and the sky **glowed** with beautiful colors.

## stick

*v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

*synonym*: pierce, adhere, stay

(1) **stick** a key in a lock, (2) fire **stick**

You **stick** a bill in the change machine, and the coins pop out.

## rave

*v.* to talk in a noisy, excited, or uncontrolled manner; to praise someone or something enthusiastically

*synonym*: babble, freak out, be enthusiastic

(1) **rave** against the politician, (2) **rave** myself hoarse

You can rant and **rave** at the arrest, but you'll still have to accept it.

## improvisation

*n.* the act of making something up on the spot or creating or performing something without preparation

*synonym*: spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**

He created a beautiful piece of music using only **improvisation**.

## survival

*n.* the state of continuing to exist or live, frequently in the face of difficulty or danger

*synonym*: endurance, continuity

(1) **survival** ability, (2) **survival** food

He evaluated his chances for **survival** rather pessimistically.

## firefly

*n.* a flying nocturnal insect common in warm regions with a tail that shines in the dark

(1) the glow of a **firefly**, (2) sparkle like **firefly**

In that country, there is a culture of eating live **firefly** squid.

## attract

*v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones

*synonym*: lure, entice, draw in

(1) **attract** attention, (2) **attract** customers

The government is eager to **attract** international investment.

## railroad

*n.* metal tracks laid with rails on which trains run; a system of tracks with the trains operated by an organization

*synonym*: railway, track, railway system

(1) coast-to-coast **railroad**, (2) **railroad** industry

The town was founded in the 19th century as a stop on the **railroad**, and it grew rapidly as a result.

## worm

*n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes

(1) wiggly **worms**, (2) can of **worms**

**Worms** help dispose of the food waste produced by humans.

## runway

*n.* the catwalk or platform where models walk to display clothing or other fashion items during a fashion show; a strip of hard ground along which planes take off and land;

*synonym*: strip, landing field, tarmac

(1) **runway** lighting, (2) **runway** show

The model strutted down the **runway** during the fashion show.

## predator

*n.* an animal whose natural behavior is to prey on others  
*synonym*: vulture, bloodsucker

(1) apex **predator**, (2) sexual **predators**

The native South American animals were in danger because of the **predator's** arrival.

## flash

*n.* a sudden intense burst of radiant energy; a momentary brightness

*synonym*: sparkle, gleam, glimmer

(1) a **flash** of lightning, (2) brilliant **flash**

These heavy rains caused **flash** floods on several islands.

## shrimp

*n.* a small, freshwater or saltwater creature with a slender body and long legs

*synonym*: prawn, langoustine, scampi

(1) **shrimp** cocktail, (2) **shrimp** farming

The seafood restaurant had a variety of dishes featuring **shrimp**.

## threaten

*v.* to utter intentions of injury or punishment against someone

*synonym*: endanger, terrorize, intimidate

(1) **threaten** a healthy relationship, (2) **threaten** national security

Various artificially induced causes are **threatening** our ecosystem.

## spew

*v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts

*synonym*: vomit, spout, discharge

(1) **spew** carbon dioxide, (2) **spew** insults

The volcano started to **spew** lava and ash, causing panic

among residents.

## glowing

*adj.* highly enthusiastic; greatly praised

*synonym* : burning, bright, flaming

(1) **glowing** reviews, (2) **glowing** cheeks

The western sky was **glowing** pink.

## goo

*n.* a sticky or slimy substance, often of indeterminate or unknown composition; a slang term used to describe something messy, chaotic, or confusing

*synonym* : slime, muck, gunk

(1) oozing **goo**, (2) slime **goo**

The science experiment involved mixing various liquids to create a bubbling **goo**.

## puke

*v.* to vomit or eject the contents of the stomach through the mouth; to feel or experience extreme disgust or hatred

*synonym* : vomit, hurl, upchuck

(1) **puke** my guts, (2) **puke** in the toilet

The smell of rotting food made him **puke** in disgust.

## luminescent

*adj.* emitting light or glowing softly, often without heat; having the ability to produce or emit light, especially through chemical reactions or by absorbing and then releasing energy

*synonym* : glowing, radiant, shining

(1) soft **luminescent** glow, (2) mesmerizing **luminescent** effect

The **luminescent** stars illuminated the night sky.

## equip

*v.* to provide a person or a place with the things that are needed for a particular purpose or activity

*synonym* : prepare, furnish, provide

(1) **equip** an army, (2) **equip** our children with some special skills

The construction company **equipped** the building with an earthquake-resistant device.

## revisit

*v.* to go to a place again, especially after a long period  
*synonym* : reexplore, review, reexamine

(1) **revisit** a place, (2) **revisit** an old friend

We need to **revisit** this proposal as soon as the budget is more apparent than before.

## bait

*n.* a type of food or lure used to attract fish, animals, or people; something used to provoke or irritate someone into responding or reacting in a certain way

*synonym* : lure, enticement, temptation

(1) **bait** and switch, (2) fishing **bait**

The **bait** brought the fish into the trap.

## esca

*n.* a piece of bait used in fishing to attract and deceive the fish

*synonym* : lure, bait, decoy

(1) **esca** bait, (2) the glow of the **esca**

The female anglerfish's **esca** is a fascinating adaptation to the challenges of deep-sea living.

## bacteria

*n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

*synonym* : microorganism, microbe

(1) pathogenic **bacteria**, (2) harmless **bacteria**

**Bacteria** prevalent in hospitals are often resistant to antibiotics.

## sack

*v.* to remove or dismiss someone from a position or place;  
(noun) a large bag made of strong, rough material, such as burlap, that is used for storing or carrying things

*synonym* : discharge, remove, (noun) bag

(1) **sack** an employee, (2) a sleep **sack**

He was **sacked** from his job for stealing company property.

## lantern

*n.* a portable source of lighting, typically featuring a protective enclosure for the light source

*synonym* : lamp, beacon, flashlight

(1) candle **lantern**, (2) a **lantern** in the dark

The paper-covered **lantern** glowed softly in the darkness.

## chemical

*adj.* relating to or connected with chemistry;

*synonym* : chemic, synthetic

(1) toxic **chemicals**, (2) a **chemical** compound

The firm has grown into a large **chemical** manufacturing.

## luciferase

*n.* an enzyme that produces bioluminescence in organisms such as fireflies, glow worms, and some marine creatures, often used as a tool in scientific research to detect and measure the presence of certain molecules or processes

*synonym* : bioluminescent protein

(1) fluorescent **luciferase**, (2) genetically modified **luciferase**

The **luciferase** assay is a standard tool in molecular biology for measuring gene expression levels.

## presence

*n.* the fact or state that someone or something exists, occurs, or is present

*synonym* : existence, actuality, fact

(1) the evidence of the **presence**, (2) his majestic **presence**

The path to a solid online **presence** necessitates a high technical ability.

## oxygen

*n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

(1) the hydrogen binds the **oxygen**, (2) lack of **oxygen**

The passenger grabbed for the **oxygen** mask.

## fuel

*n.* a substance that is typically burned to generate heat or energy



*synonym* : energy, power, gas

(1) biomass **fuel**, (2) smokeless **fuel**

The **fuel** scarcity most severely impacted the manufacturing sector

## reaction

*n.* a response that reveals a person's feelings or attitude;  
(in chemistry) a process in which one or more substances are changed into others

*synonym* : response, reply, answer

(1) chemical **reaction**, (2) trigger a **reaction**

There was a chemical **reaction** of the lime with the groundwater.

## genetic

*adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes

*synonym* : hereditary, genetical, inborn

(1) have **genetic** testing, (2) a **genetic** disorder

Understanding protein folding is a vital step in deciphering the **genetic** code.

## engineer

*n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

*synonym* : architect, creator, builder

(1) a civil **engineer**, (2) **engineer** shortage

The **engineer** will repair my telephone tomorrow morning.

## insert

*v.* to put something inside something else

*synonym* : introduce, add, embed

(1) **insert** coin, (2) **insert** a graphic

She **inserted** a new chapter into her manuscript.

## instruction

*n.* detailed direction, order, etc., on how to do or use something

*synonym* : education, direction, guidance

(1) individual **instruction**, (2) follow his **instructions**

They needed further **instruction** to perform their duties

efficiently.

## tobacco

*n.* a plant grown for its leaves, which are dried and processed for smoking or chewing or extraction of nicotine

*synonym*: smoking, nicotine, cigar

(1) **tobacco** industry, (2) a mild **tobacco**

**Tobacco** product is a leading cause of preventable deaths worldwide.

## incandescent

*adj.* emitting light as a result of being heated; shining brightly; passionate or enthusiastic

*synonym*: glowing, radiant, brilliant

(1) **incandescent** emotion, (2) **incandescent** personality

The **incandescent** lights in the room created a warm and inviting atmosphere.

## bulb

*n.* a rounded underground storage organ of some plants from which the plant grows; the rounded part of a cylindrical structure; electric lamp consisting of a glass ball

(1) wet- **bulb** thermometer, (2) a lily **bulb**

The light **bulb** has burned out.

## temperature

*n.* the degree of hotness or coldness of a thing or place

*synonym*: climate, warmth, degree

(1) extreme **temperatures**, (2) the atmospheric **temperature**

Cities around the world set records for highest **temperatures** this summer.

## fade

*v.* to vanish; to fade away; to lose color; to lose freshness

*synonym*: languish, wither

(1) **fade** away almost completely, (2) **fade** in importance

My memory will **fade**, but my heart will live on.

## replenish

*v.* to fill something that had previously been emptied  
*synonym*: refill, reload, restock

(1) **replenish** a reserve fund, (2) **replenish** my spirit  
Please **replenish** my glass with some more wine.

## develop

*v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

*synonym*: evolve, progress, advance

(1) **develop** a strategy, (2) **develop** a skill

We must **develop** a new system to streamline our workflow and increase efficiency.

## highway

*n.* a main road, especially one connecting major towns or cities

*synonym*: road, expressway, freeway

(1) **highway** system, (2) an interstate **highway**

I'm going to take the **highway** to get to my destination faster.

## advantage

*n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

*synonym*: benefit, edge, asset

(1) score an **advantage**, (2) take **advantage** of his weak points

One of the main **advantages** of the new product is its increased efficiency.

## planet

*n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

*synonym*: earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**

Mercury is the closest **planet** to the sun.

## improve

v. to make or become better

*synonym*: enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score

We want to **improve** ties between our two countries.

## Session 2: Spelling

- |                             |  |
|-----------------------------|--|
| 1. ru___y lighting          | <i>n.</i> the catwalk or platform where models walk to display clothing or other fashion items during a fashion show; a strip of hard ground along which planes take off and land; |
| 2. firefly bio_____nce      | <i>n.</i> the production and emission of light by living creatures, such as glowworms, fireflies, etc.   |
| 3. lack of ox___n           | <i>n.</i> the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live   |
| 4. biomass f__l             | <i>n.</i> a substance that is typically burned to generate heat or energy  |
| 5. oozing g_o               | <i>n.</i> a sticky or slimy substance, often of indeterminate or unknown composition; a slang term used to describe something messy, chaotic, or confusing                         |
| 6. cr__p toward the mouse   | <i>v.</i> to move slowly, quietly, and carefully, usually to avoid being seen or heard   |
| 7. f__t from place to place | <i>v.</i> to move quickly and lightly from place to place, often without purpose or direction; to flutter or dart quickly, like a bird or insect                                   |
| 8. sexual pr_____ors        | <i>n.</i> an animal whose natural behavior is to prey on others  |
| 9. toxic ch_____als         | <i>adj.</i> relating to or connected with chemistry;   |

ANSWERS: 1. runway, 2. bioluminescence, 3. oxygen, 4. fuel, 5. goo, 6. creep, 7. flit, 8. predator, 9. chemical

10. g\_\_w gold in the light *v.* to give out a steady, strong light
11. a ch\_\_\_al compound *adj.* relating to or connected with chemistry;
12. w\_x finish *n.* a substance that is solid at room temperature but becomes softer and more pliable when heated, often used in the production of candles, polishes, and cosmetics; (verb) to become large
13. score an ad\_\_\_\_\_ge *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
14. inc\_\_\_\_\_ent personality *adj.* emitting light as a result of being heated; shining brightly; passionate or enthusiastic
15. en\_\_\_\_\_er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
16. hi\_\_\_\_\_y system *n.* a main road, especially one connecting major towns or cities
17. sh\_\_\_p cocktail *n.* a small, freshwater or saltwater creature with a slender body and long legs
18. f\_\_e away almost completely *v.* to vanish; to fade away; to lose color; to lose freshness
19. extreme tem\_\_\_\_\_res *n.* the degree of hotness or coldness of a thing or place
20. at\_\_\_\_\_t customers *v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones

ANSWERS: 10. glow, 11. chemical, 12. wax, 13. advantage, 14. incandescent, 15. engineer, 16. highway, 17. shrimp, 18. fade, 19. temperature, 20. attract

21. individual ins\_\_\_\_\_on *n.* detailed direction, order, etc., on how to do or use something
22. s\_\_w insults *v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts
23. to\_\_\_\_\_o industry *n.* a plant grown for its leaves, which are dried and processed for smoking or chewing or extraction of nicotine
24. re\_\_\_\_\_t a place *v.* to go to a place again, especially after a long period
25. bioluminescent ang\_\_\_\_\_sh *n.* a type of deep-sea fish that possesses a long, stalk-like appendage on its head with a glowing tip that it uses to attract prey; known for their unusual and often menacing appearance
26. fire st\_\_k *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
27. artificial cr\_\_\_\_\_re *n.* a living being, especially an animal
28. inc\_\_\_\_\_ent emotion *adj.* emitting light as a result of being heated; shining brightly; passionate or enthusiastic
29. ra\_\_\_\_\_ad industry *n.* metal tracks laid with rails on which trains run; a system of tracks with the trains operated by an organization
30. the glow of a fi\_\_\_\_\_y *n.* a flying nocturnal insect common in warm regions with a tail that shines in the dark

ANSWERS: 21. instruction, 22. spew, 23. tobacco, 24. revisit, 25. anglerfish, 26. stick, 27. creature, 28. incandescent, 29. railroad, 30. firefly

31. a la\_\_\_\_n in the dark *n.* a portable source of lighting, typically featuring a protective enclosure for the light source
32. inv\_\_\_\_\_te a data leak *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
33. app\_\_\_\_\_te her feedback *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
34. cr\_\_p along the leaf *v.* to move slowly, quietly, and carefully, usually to avoid being seen or heard
35. an interstate hi\_\_\_\_y *n.* a main road, especially one connecting major towns or cities
36. fishing b\_\_t *n.* a type of food or lure used to attract fish, animals, or people; something used to provoke or irritate someone into responding or reacting in a certain way
37. de\_\_\_\_p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
38. harmless ba\_\_\_\_ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

ANSWERS: 31. lantern, 32. investigate, 33. appreciate, 34. creep, 35. highway, 36. bait, 37. develop, 38. bacteria



39. take ad\_\_\_\_\_ge of his weak points     *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
40. the glow of the e\_\_a     *n.* a piece of bait used in fishing to attract and deceive the fish
41. smokeless f\_\_l     *n.* a substance that is typically burned to generate heat or energy
42. de\_\_\_\_\_p a strategy     *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
43. f\_\_e in importance     *v.* to vanish; to fade away; to lose color; to lose freshness
44. wiggly w\_\_ms     *n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes
45. s\_\_k an employee     *v.* to remove or dismiss someone from a position or place; (noun) a large bag made of strong, rough material, such as burlap, that is used for storing or carrying things
46. su\_\_\_\_\_al food     *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
47. ru\_\_\_\_y show     *n.* the catwalk or platform where models walk to display clothing or other fashion items during a fashion show; a strip of hard ground along which planes take off and land;

ANSWERS: 39. advantage, 40. esca, 41. fuel, 42. develop, 43. fade, 44. worm, 45. sack, 46. survival, 47. runway

48. in\_\_\_t a graphic *v.* to put something inside something else
49. eq\_\_p our children with some special skills *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
50. slime g\_o *n.* a sticky or slimy substance, often of indeterminate or unknown composition; a slang term used to describe something messy, chaotic, or confusing
51. th\_\_\_\_\_en a healthy relationship *v.* to utter intentions of injury or punishment against someone
52. b\_\_t and switch *n.* a type of food or lure used to attract fish, animals, or people; something used to provoke or irritate someone into responding or reacting in a certain way
53. g\_\_w a pale orange *v.* to give out a steady, strong light
54. pl\_\_\_t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
55. im\_\_\_\_\_e the test score *v.* to make or become better
56. gl\_\_\_\_\_g reviews *adj.* highly enthusiastic; greatly praised
57. sh\_\_\_p farming *n.* a small, freshwater or saltwater creature with a slender body and long legs
58. st\_\_k a key in a lock *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

ANSWERS: 48. insert, 49. equip, 50. goo, 51. threaten, 52. bait, 53. glow, 54. planet, 55. improve, 56. glowing, 57. shrimp, 58. stick

59. can of w\_\_ms *n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes
60. save the pl\_\_t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
61. f\_\_t away into the darkness *v.* to move quickly and lightly from place to place, often without purpose or direction; to flutter or dart quickly, like a bird or insect
62. fluorescent luc\_\_\_\_\_se *n.* an enzyme that produces bioluminescence in organisms such as fireflies, glow worms, and some marine creatures, often used as a tool in scientific research to detect and measure the presence of certain molecules or processes
63. cr\_\_\_\_\_re of habit *n.* a living being, especially an animal
64. the atmospheric tem\_\_\_\_\_re *n.* the degree of hotness or coldness of a thing or place
65. a lily b\_\_b *n.* a rounded underground storage organ of some plants from which the plant grows; the rounded part of a cylindrical structure; electric lamp consisting of a glass ball
66. rusty n\_\_l *n.* a thin, pointed piece of metal with a flat head used for fastening things together; the thin hard layer covering and protecting the outer tip of the fingers or toes

ANSWERS: 59. worm, 60. planet, 61. flit, 62. luciferase, 63. creature, 64. temperature, 65. bulb, 66. nail

67. inv\_\_\_\_\_te the matter      *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
68. soft lum\_\_\_\_\_nt glow      *adj.* emitting light or glowing softly, often without heat; having the ability to produce or emit light, especially through chemical reactions or by absorbing and then releasing energy
69. re\_\_\_\_\_sh my spirit      *v.* to fill something that had previously been emptied
70. eq\_\_p an army      *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
71. a sleep s\_\_k      *v.* to remove or dismiss someone from a position or place; (noun) a large bag made of strong, rough material, such as burlap, that is used for storing or carrying things
72. imp\_\_\_\_\_ion on stage      *n.* the act of making something up on the spot or creating or performing something without preparation
73. im\_\_\_\_\_e a process      *v.* to make or become better
74. th\_\_\_\_\_en national security      *v.* to utter intentions of injury or punishment against someone
75. pathogenic ba\_\_\_\_\_ia      *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

ANSWERS: 67. investigate, 68. luminescent, 69. replenish, 70. equip, 71. sack, 72. improvisation, 73. improve, 74. threaten, 75. bacteria

76. ang\_\_\_\_\_sh habitat *n.* a type of deep-sea fish that possesses a long, stalk-like appendage on its head with a glowing tip that it uses to attract prey; known for their unusual and often menacing appearance
77. have ge\_\_\_\_\_c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
78. in\_\_\_t coin *v.* to put something inside something else
79. wet-b\_\_b thermometer *n.* a rounded underground storage organ of some plants from which the plant grows; the rounded part of a cylindrical structure; electric lamp consisting of a glass ball
80. apex pr\_\_\_\_\_or *n.* an animal whose natural behavior is to prey on others
81. w\_x and wane *n.* a substance that is solid at room temperature but becomes softer and more pliable when heated, often used in the production of candles, polishes, and cosmetics; (verb) to become large
82. chemical re\_\_\_\_\_on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
83. e\_\_a bait *n.* a piece of bait used in fishing to attract and deceive the fish
84. follow his ins\_\_\_\_\_ons *n.* detailed direction, order, etc., on how to do or use something
85. r\_\_e myself hoarse *v.* to talk in a noisy, excited, or uncontrolled manner; to praise someone or something enthusiastically

ANSWERS: 76. anglerfish, 77. genetic, 78. insert, 79. bulb, 80. predator, 81. wax, 82. reaction, 83. esca, 84. instruction, 85. rave

86. a ge\_\_\_\_c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
87. app\_\_\_\_\_te the value *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
88. trigger a re\_\_\_\_\_on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
89. su\_\_\_\_\_al ability *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
90. a fl\_\_h of lightning *n.* a sudden intense burst of radiant energy; a momentary brightness
91. gl\_\_\_\_\_g cheeks *adj.* highly enthusiastic; greatly praised
92. brilliant fl\_\_h *n.* a sudden intense burst of radiant energy; a momentary brightness
93. re\_\_\_\_\_t an old friend *v.* to go to a place again, especially after a long period
94. his majestic pr\_\_\_\_\_ce *n.* the fact or state that someone or something exists, occurs, or is present
95. n\_\_l clipper *n.* a thin, pointed piece of metal with a flat head used for fastening things together; the thin hard layer covering and protecting the outer tip of the fingers or toes
96. re\_\_\_\_\_sh a reserve fund *v.* to fill something that had previously been emptied

ANSWERS: 86. genetic, 87. appreciate, 88. reaction, 89. survival, 90. flash, 91. glowing, 92. flash, 93. revisit, 94. presence, 95. nail, 96. replenish

97. r\_\_e against the politician *v.* to talk in a noisy, excited, or uncontrolled manner; to praise someone or something enthusiastically
98. the evidence of the pr\_\_\_\_ce *n.* the fact or state that someone or something exists, occurs, or is present
99. mesmerizing lum\_\_\_\_\_nt effect *adj.* emitting light or glowing softly, often without heat; having the ability to produce or emit light, especially through chemical reactions or by absorbing and then releasing energy
100. the hydrogen binds the ox\_\_\_n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
101. re\_\_r to a map *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
102. jazz imp\_\_\_\_\_ion *n.* the act of making something up on the spot or creating or performing something without preparation
103. at\_\_\_\_\_t attention *v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones
104. a civil en\_\_\_\_\_er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
105. s\_\_w carbon dioxide *v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts

ANSWERS: 97. rave, 98. presence, 99. luminescent, 100. oxygen, 101. refer, 102. improvisation, 103. attract, 104. engineer, 105. spew

106. p\_\_e my guts *v.* to vomit or eject the contents of the stomach through the mouth; to feel or experience extreme disgust or hatred
107. p\_\_e in the toilet *v.* to vomit or eject the contents of the stomach through the mouth; to feel or experience extreme disgust or hatred
108. re\_\_r to a book *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
109. bio\_\_\_\_\_nce of biological sample *n.* the production and emission of light by living creatures, such as glowworms, fireflies, etc.
110. candle la\_\_\_\_n *n.* a portable source of lighting, typically featuring a protective enclosure for the light source
111. genetically modified luc\_\_\_\_\_se *n.* an enzyme that produces bioluminescence in organisms such as fireflies, glow worms, and some marine creatures, often used as a tool in scientific research to detect and measure the presence of certain molecules or processes
112. sparkle like fi\_\_\_\_y *n.* a flying nocturnal insect common in warm regions with a tail that shines in the dark
113. a mild to\_\_\_\_o *n.* a plant grown for its leaves, which are dried and processed for smoking or chewing or extraction of nicotine
114. coast-to-coast ra\_\_\_\_ad *n.* metal tracks laid with rails on which trains run; a system of tracks with the trains operated by an organization

ANSWERS: 106. puke, 107. puke, 108. refer, 109. bioluminescence, 110. lantern, 111. luciferase, 112. firefly, 113. tobacco, 114. railroad



ANSWERS:

## Session 3: Fill in the Blanks

1. The passenger grabbed for the \_\_\_\_\_ mask.
  - n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
  
2. The \_\_\_\_\_ assay is a standard tool in molecular biology for measuring gene expression levels.
  - n.* an enzyme that produces bioluminescence in organisms such as fireflies, glow worms, and some marine creatures, often used as a tool in scientific research to detect and measure the presence of certain molecules or processes
  
3. The construction company \_\_\_\_\_ the building with an earthquake-resistant device.
  - v.* to provide a person or a place with the things that are needed for a particular purpose or activity
  
4. The model strutted down the \_\_\_\_\_ during the fashion show.
  - n.* the catwalk or platform where models walk to display clothing or other fashion items during a fashion show; a strip of hard ground along which planes take off and land;
  
5. The town was founded in the 19th century as a stop on the \_\_\_\_\_ and it grew rapidly as a result.
  - n.* metal tracks laid with rails on which trains run; a system of tracks with the trains operated by an organization
  
6. The deep sea \_\_\_\_\_ was unlike anything the scientists had ever seen before.
  - n.* a living being, especially an animal

ANSWERS: 1. oxygen, 2. luciferase, 3. equipped, 4. runway, 5. railroad, 6. creature

7. We would \_\_\_\_\_ an early reply.
- v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
8. Aging \_\_\_\_\_ up slowly with time.
- v.* to move slowly, quietly, and carefully, usually to avoid being seen or heard
9. He used a hammer and round \_\_\_\_\_ to fix the loose board on the fence.
- n.* a thin, pointed piece of metal with a flat head used for fastening things together; the thin hard layer covering and protecting the outer tip of the fingers or toes
10. \_\_\_\_\_ product is a leading cause of preventable deaths worldwide.
- n.* a plant grown for its leaves, which are dried and processed for smoking or chewing or extraction of nicotine
11. They needed further \_\_\_\_\_ to perform their duties efficiently.
- n.* detailed direction, order, etc., on how to do or use something
12. One of the main \_\_\_\_\_ of the new product is its increased efficiency.
- n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
13. The native South American animals were in danger because of the \_\_\_\_\_ arrival.
- n.* an animal whose natural behavior is to prey on others
14. Please \_\_\_\_\_ to the instruction manual for further assistance.
- v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

ANSWERS: 7. appreciate, 8. creeps, 9. nail, 10. Tobacco, 11. instruction, 12. advantages, 13. predator's, 14. refer

15. The deep-sea \_\_\_\_\_ is one of the ocean's most fascinating creatures, living in harsh and extreme conditions.
- n.* a type of deep-sea fish that possesses a long, stalk-like appendage on its head with a glowing tip that it uses to attract prey; known for their unusual and often menacing appearance
16. There was a chemical \_\_\_\_\_ of the lime with the groundwater.
- n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
17. My memory will \_\_\_\_\_ but my heart will live on.
- v.* to vanish; to fade away; to lose color; to lose freshness
18. The government is eager to \_\_\_\_\_ international investment.
- v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones
19. We must \_\_\_\_\_ a new system to streamline our workflow and increase efficiency.
- v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
20. These heavy rains caused \_\_\_\_\_ floods on several islands.
- n.* a sudden intense burst of radiant energy; a momentary brightness
21. The butterfly would \_\_\_\_\_ from flower to flower, collecting nectar.
- v.* to move quickly and lightly from place to place, often without purpose or direction; to flutter or dart quickly, like a bird or insect

ANSWERS: 15. anglerfish, 16. reaction, 17. fade, 18. attract, 19. develop, 20. flash, 21. flit

22. Understanding protein folding is a vital step in deciphering the \_\_\_\_\_ code.  
*adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
23. The firm has grown into a large \_\_\_\_\_ manufacturing.  
*adj.* relating to or connected with chemistry;
24. The seafood restaurant had a variety of dishes featuring \_\_\_\_\_.  
*n.* a small, freshwater or saltwater creature with a slender body and long legs
25. The path to a solid online \_\_\_\_\_ necessitates a high technical ability.  
*n.* the fact or state that someone or something exists, occurs, or is present
26. The science experiment involved mixing various liquids to create a bubbling \_\_\_\_\_.  
*n.* a sticky or slimy substance, often of indeterminate or unknown composition; a slang term used to describe something messy, chaotic, or confusing
27. The sun was setting, and the sky \_\_\_\_\_ with beautiful colors.  
*v.* to give out a steady, strong light
28. The female anglerfish's \_\_\_\_\_ is a fascinating adaptation to the challenges of deep-sea living.  
*n.* a piece of bait used in fishing to attract and deceive the fish
29. \_\_\_\_\_ prevalent in hospitals are often resistant to antibiotics.  
*n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
30. The \_\_\_\_\_ brought the fish into the trap.  
*n.* a type of food or lure used to attract fish, animals, or people; something used to provoke or irritate someone into responding or reacting in a certain way

ANSWERS: 22. genetic, 23. chemical, 24. shrimp, 25. presence, 26. goo, 27. glowed, 28. esca, 29. Bacteria, 30. bait

31. The western sky was \_\_\_\_\_ pink.

*adj.* highly enthusiastic; greatly praised

32. He was \_\_\_\_\_ from his job for stealing company property.

*v.* to remove or dismiss someone from a position or place; (noun) a large bag made of strong, rough material, such as burlap, that is used for storing or carrying things

33. The \_\_\_\_\_ will repair my telephone tomorrow morning.

*n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

34. He sealed the letter with a \_\_\_\_ seal.

*n.* a substance that is solid at room temperature but becomes softer and more pliable when heated, often used in the production of candles, polishes, and cosmetics; (verb) to become large

35. \_\_\_\_\_ help dispose of the food waste produced by humans.

*n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes

36. I'm going to take the \_\_\_\_\_ to get to my destination faster.

*n.* a main road, especially one connecting major towns or cities

37. She \_\_\_\_\_ a new chapter into her manuscript.

*v.* to put something inside something else

38. In that country, there is a culture of eating live \_\_\_\_\_ squid.

*n.* a flying nocturnal insect common in warm regions with a tail that shines in the dark

ANSWERS: 31. glowing, 32. sacked, 33. engineer, 34. wax, 35. Worms, 36. highway, 37. inserted, 38. firefly

39. He created a beautiful piece of music using only \_\_\_\_\_.
- n.* the act of making something up on the spot or creating or performing something without preparation
40. The volcano started to \_\_\_\_\_ lava and ash, causing panic among residents.
- v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts
41. The \_\_\_\_\_ scarcity most severely impacted the manufacturing sector
- n.* a substance that is typically burned to generate heat or energy
42. We want to \_\_\_\_\_ ties between our two countries.
- v.* to make or become better
43. The \_\_\_\_\_ lights in the room created a warm and inviting atmosphere.
- adj.* emitting light as a result of being heated; shining brightly; passionate or enthusiastic
44. The \_\_\_\_\_ stars illuminated the night sky.
- adj.* emitting light or glowing softly, often without heat; having the ability to produce or emit light, especially through chemical reactions or by absorbing and then releasing energy
45. You \_\_\_\_\_ a bill in the change machine, and the coins pop out.
- v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
46. You can rant and \_\_\_\_\_ at the arrest, but you'll still have to accept it.
- v.* to talk in a noisy, excited, or uncontrolled manner; to praise someone or something enthusiastically

ANSWERS: 39. improvisation, 40. spew, 41. fuel, 42. improve, 43. incandescent, 44. luminescent, 45. stick, 46. rave

47. Please \_\_\_\_\_ my glass with some more wine.
- v. to fill something that had previously been emptied
48. The paper-covered \_\_\_\_\_ glowed softly in the darkness.
- n. a portable source of lighting, typically featuring a protective enclosure for the light source
49. Certain squids acquire symbiotic \_\_\_\_\_ by feeding on specific microorganisms.
- n. the production and emission of light by living creatures, such as glowworms, fireflies, etc.
50. Various artificially induced causes are \_\_\_\_\_ our ecosystem.
- v. to utter intentions of injury or punishment against someone
51. We need to \_\_\_\_\_ this proposal as soon as the budget is more apparent than before.
- v. to go to a place again, especially after a long period
52. The light \_\_\_\_\_ has burned out.
- n. a rounded underground storage organ of some plants from which the plant grows; the rounded part of a cylindrical structure; electric lamp consisting of a glass ball
53. The committee \_\_\_\_\_ several apparent inconsistencies.
- v. to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
54. He evaluated his chances for \_\_\_\_\_ rather pessimistically.
- n. the state of continuing to exist or live, frequently in the face of difficulty or danger

ANSWERS: 47. replenish, 48. lantern, 49. bioluminescence, 50. threatening, 51. revisit, 52. bulb, 53. investigated, 54. survival



55. The smell of rotting food made him \_\_\_\_\_ in disgust.

- v.* to vomit or eject the contents of the stomach through the mouth; to feel or experience extreme disgust or hatred

56. Mercury is the closest \_\_\_\_\_ to the sun.

- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

57. Cities around the world set records for highest \_\_\_\_\_ this summer.

- n.* the degree of hotness or coldness of a thing or place

ANSWERS: 55. puke, 56. planet, 57. temperatures