

# Englist.me



## Vocabulary Builder Reference from...

Colm Kelleher: *The science of symmetry* | TED Talk  
[https://www.ted.com/talks/colm\\_kelleher\\_the\\_science\\_of\\_symmetry](https://www.ted.com/talks/colm_kelleher_the_science_of_symmetry)

### All Words

#### IMPORTANT

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## Session 1: Word List

### symmetry

*n.* balance or proportion in design or structure, with elements arranged evenly on either side of an axis

*synonym*: balance, proportion, harmoniousness

(1) bilateral **symmetry**, (2) axial **symmetry**

The building had a **symmetry** pattern that was pleasing to the eye.

### geometric

*adj.* relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)

*synonym*: mathematical, symmetrical, regular

(1) a **geometric** proof, (2) **geometric** pattern

The **geometric** shapes and patterns in the artwork are visually stunning.

### triangle

*n.* a three-sided polygon with three angles; something that has three sides or parts

*synonym*: trilateral, delta, triad

(1) **triangle** shape, (2) love **triangle**

The Pythagorean theorem is used to calculate the length of the sides of a right **triangle**.

### complexity

*n.* the state or quality of being complicated or intricate and difficult to understand

*synonym*: intricacy, sophistication, elaboration

(1) cognitive **complexity**, (2) **complexity** theory

The project's **complexity** made it difficult for the team to complete it on time.

## butterfly

*n.* a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings

(1) **butterfly** effect, (2) the life cycle of a **butterfly**

He enjoys collecting **butterfly** specimens.

## inclined

*adj.* having a tendency or preference for something; likely or disposed to think, feel, or behave in a certain way

*synonym*: disposed, prone, likely

(1) **inclined** to think, (2) **inclined** angle

I am **inclined** to believe that she is telling the truth.

## subtle

*adj.* not readily apparent or visible

*synonym*: slight, nuanced, exquisite

(1) **subtle** changes, (2) a **subtle** poison

A famous artist painted the room in a **subtle** pink hue.

## modulate

*v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something

*synonym*: regulate, inflect, adjust

(1) **modulate** the function, (2) **modulate** from one key to another

These chemicals **modulate** the effect of metabolism.

## concerto

*n.* a composition for one or more solo instruments and an orchestra, typically in three movements

*synonym*: symphony, composition, piece

(1) piano **concerto**, (2) violin **concerto**

A renowned symphony orchestra performed the piano **concerto**.

## effortless

*adj.* requiring little or no effort; not difficult or strenuous; easy to accomplish

*synonym*: easy, simple, uncomplicated

(1) **effortless** victory, (2) **effortless** beauty

The dancer made her performance look **effortless** and graceful.

## prima

*adj.* of the highest quality or importance; primary or first in rank or position

*synonym*: primary, first-rate, top-notch

(1) **prima** facie, (2) **prima** donna

The **prima** ballerina wowed the audience with her graceful performance.

## ballerina

*n.* a female ballet (= a type of performance dance that tells a dramatic story or expresses an idea with music but no talking or singing) dancer

*synonym*: dancer, danseuse

(1) classical **ballerina**, (2) famous **ballerina**

The **ballerina's** graceful movements were a joy to watch.

## represent

*v.* to speak, act, or be present on behalf of another person or group; to form or constitute

*synonym*: depict, express, describe

(1) **represent** by a diagram, (2) the characters that **represent** numbers

We elected him to **represent** us at the international conference.

## vague

*adj.* not clearly expressed or understood

*synonym*: ambiguous, imprecise, dim

(1) **vague** idea, (2) make a **vague** answer

The **vague** rumor turned out to be false.

## harmony

*n.* the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties

*synonym*: balance, accord, congruence

(1) a **harmony** of colors, (2) break a **harmony**

We worked in perfect **harmony**.

## balance

*n.* a condition in which everything has the same weight or force; something left after other parts have been taken away

*synonym*: equilibrium, counterpoise, remainder

(1) the **balance** of power, (2) asset on the company's **balance** sheet

Try to keep a **balance** between work and off.

## mathematics

*n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

*synonym*: arithmetic, calculation, calculus

(1) a good grounding in **mathematics**, (2) **mathematics** competition

He has a flair for **mathematics**.

## specific

*adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

*synonym*: particular, definite, distinct

(1) **specific** instructions, (2) industry- **specific** regulations

The scientist conducted a study that provided **specific** details about the species' behavior.

## property

*n.* a thing or things that belong to someone

*synonym*: belongings, possessions, equity

(1) a man of **property**, (2) chemical **property**

He stood to inherit a million-dollar **property**.

## tangible

*adj.* real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value

*synonym*: palpable, real, actual

(1) **tangible** assets, (2) produce **tangible** results

A problem that has been pointed out for years finally becomes **tangible**.

## abstract

*adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence

*synonym* : conceptual, theoretical, ideational

(1) an **abstract** noun, (2) **abstract** science

The invention of the camera triggered the development of **abstract** painting.

## entity

*n.* something that exists independently and has its own identity

*synonym* : body, object, existent

(1) legal **entity**, (2) government **entity**

A company is a distinct legal **entity**.

## definition

*n.* a concise explanation of the meaning of a word, phrase, or symbol

*synonym* : description, connotation, meaning

(1) a precise **definition**, (2) the **definition** of a word

Parallel lines are, by **definition**, lines on the same plane that never cross.

## transformation

*n.* a complete change in form, nature, or appearance of someone or something

*synonym* : change, conversion, renewal

(1) the **transformation** of a tadpole into a frog, (2) cast a **transformation** spell

Understanding unitary **transformations** of a normal matrix require considerable mathematical sophistication.

## unchanged

*adj.* not altered, modified, or varied in any way

*synonym* : unaltered, constant

(1) **unchanged** routine, (2) **unchanged** from the previous month

The company's policy remained **unchanged** despite the

criticism.

## unpack

v. to open and remove stored items from a container or package; to analyze or examine something in detail, often to clarify or understand it better

*synonym*: dissect, unwrap, unbox

(1) **unpack** a crate, (2) **unpack** a concept

I need to **unpack** my suitcase and put my clothes away.

## equilateral

*adj.* characterized by having all sides of equal length, typically used to describe a geometric shape, usually a triangle

*synonym*: equal-sided, regular, isosceles

(1) **equilateral** polygon, (2) **equilateral** shape

An **equilateral** triangle has three equal sides and three equal angles.

## rotate

v. to turn around a central point or axis; to move in a circular path around something

*synonym*: turn, revolve, spin

(1) **rotate** crops, (2) **rotate** about the origin

The Earth **rotates** on its axis once every 24 hours.

## degree

*n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

*synonym*: level, qualification, diploma

(1) bachelor's **degree**, (2) **degree** centigrade

She received her **degree** in psychology from the university.

## identical

*adj.* being the exact same one

*synonym*: duplicate, exact, analogous

(1) pair of **identical** twins, (2) an **identical** equation

Infant formulas are nutritionally almost **identical** to a mother's breast milk.

## rotation

*n.* the action or process of moving in a circle around an axis or center

*synonym*: revolution, spin, turning

(1) job **rotation**, (2) a period of **rotation**

The **rotation** of the Earth causes day and night.

## rot

*v.* to decay, or cause something to decay, naturally and gradually

*synonym*: perish, decay, corrode

(1) begin to **rot**, (2) **rot** with age

Please refrigerate the meat, or it will **rot**.

## essential

*adj.* indispensable; fundamental

*synonym*: critical, crucial, basic

(1) **essential** amino acid, (2) **essential** commodities of life

Trial and error is an **essential** part of education.

## biology

*n.* the scientific study of life and the natural processes of living things

(1) evolutionary **biology**, (2) cell and molecular **biology**

In junior high school, we had to dissect a frog in **biology** class.

## mention

*v.* to speak or write about something or someone briefly

*synonym*: reference, allude, cite

(1) **mention** name, (2) **mention** in a report

I **mentioned** to him that I had seen his sister at the grocery store earlier that day.

## imaginary

*adj.* existing only in someone's mind

*synonym*: fictional, ideal, fantastical

(1) **imaginary** number, (2) **imaginary** pregnancy

Little children tend to have **imaginary** friends.

## slice

*n.* a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting

*synonym* : piece, portion, slit

(1) a **slice** of the company's revenue, (2) **slice** a tomato thin  
The children complained because one **slice** of cake was slightly larger than the other.

## vertical

*adj.* upright or perpendicular to a horizontal surface or line  
*synonym* : perpendicular, upright, plumb

(1) **vertical** takeoff, (2) **vertical** axis

The ladder leaned against the **vertical** surface of the building.

## bilateral

*adj.* involving two sides or done by two parties together  
*synonym* : two-sided, double-sided, two-faced

(1) **bilateral** talks, (2) **bilateral** symmetry

Both countries signed the **bilateral** agreement.

## approximate

*adj.* nearly accurate or correct, but not completely so  
*synonym* : rough, close, near

(1) linear **approximate** equation, (2) **approximate** time  
The **approximate** cost of the project was estimated to be around \$500,000.

## striking

*adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner  
*synonym* : arresting, astonishing, exceptional

(1) **striking** innovation, (2) **striking** evidence

The two plays have many **striking** parallels.

## feat

*n.* a notable or impressive achievement, especially one that requires great skill or bravery

*synonym* : achievement, accomplishment, exploit

(1) intellectual **feat**, (2) **feat** accomplishment

It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.



## shark

*n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest

*synonym*: swindler, con artist, crook

(1) a man-eating **shark**, (2) card **shark**

He borrowed money from a loan **shark**.

## beetle

*n.* an insect having a hard shell-like back covering its wings

(1) **beetle** brows, (2) a **beetle** larva

In ancient civilizations, the scarab **beetle** was worshiped as a sacred creature.

## orchid

*n.* a plant with showy or unusual flowers, typically having either a single, complex flower or a cluster of small flowers, many of which are prized for their beauty and often cultivated as ornamental plants

(1) **orchid** garden, (2) **orchid** species

The **orchid** blooms were so delicate and beautiful.

## apparent

*adj.* able to see or understand easily or clearly

*synonym*: obvious, clear, conspicuous

(1) heir **apparent**, (2) **apparent** contradiction

This star is **apparent** to the naked eye.

## instance

*n.* a particular example or single occurrence of something

*synonym*: example, sample, illustration

(1) for **instance**, (2) notable **instance**

These articles cite five **instances** of climate change.

## urchin

*n.* a poor and mischievous young child, usually living on the street or in a disadvantaged community; a small, spiny marine animal with a round body and long, pointed spines

*synonym*: mischief, waif, guttersnipe

(1) **urchin** child, (2) street **urchin**

The young boy was an **urchin** wandering the streets without a home.

## starfish

*n.* marine invertebrate that belongs to the phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor

*synonym*: sea star, echinoderm, asteroid

(1) **starfish** arm, (2) **starfish** habitat

The **starfish's** unique shape helps it to escape from predators quickly.

## radial

*adj.* of or relating to rays or the radii of a circle; spreading out from a central point

*synonym*: concentric, central, spoke-like

(1) **radial** symmetry, (2) in a **radial** direction

The **radial** design of the wheel allows for maximum strength and stability.

## horizontal

*adj.* parallel to the ground or in a baseline; being at the same level as all members of a group

*synonym*: even, lying, parallel

(1) **horizontal** lines, (2) **horizontal** stripes

Airplanes need **horizontal** tails to improve stability.

## jellyfish

*n.* a marine creature with a soft, jelly-like body and tentacles for stinging

*synonym*: medusa, sea nettle, moon jelly

(1) spineless **jellyfish**, (2) **jellyfish** sting

The beach was filled with hundreds of **jellyfish**, so swimming was not recommended.

## anemone

*n.* a type of flowering plant that has bright, showy flowers and typically blooms in the spring; a marine creature that resembles flowers but has oral rings of tentacles

*synonym*: flower, blossom

(1) **anemone** flower, (2) European **anemone**

The beautiful **anemones** swayed gently in the ocean current.

## asymmetric

*adj.* lacking symmetry or balance; not corresponding in size, shape, or degree; characterized by an uneven or unequal distribution or arrangement

*synonym* : uneven, lopsided, unbalanced

(1) **asymmetric** warfare, (2) **asymmetric** information

The **asymmetric** design of the building made it stand out in the city skyline.

## exhibit

*v.* to show something in public for people to enjoy or to provide them with information

*synonym* : display, expose, show

(1) **exhibit** a bad attitude, (2) **exhibit** a great talent

Other technology industries **exhibit** similarly explosive growth.

## movement

*n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

*synonym* : motion, progression, action

(1) a circular **movement**, (2) **movement** of troops

The **movement** of the dancers on stage was graceful and elegant.

## mount

*v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone

*synonym* : climb, increase, get on

(1) **mount** a hill, (2) **mount** a counterattack

They **mounted** pictures on the paper in preparation for the birthday card.

## naturally

*adv.* as might be expected; by natural manners

*synonym* : by nature, inherently, intrinsically

(1) **naturally** arising, (2) **naturally** regenerated forest

He was **naturally** gifted.

## 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.

## streamline

- v.* to simplify or make more efficient by eliminating unnecessary parts or steps

*synonym*: simplify, optimize, make more efficient

(1) **streamline** administrative activities, (2) **streamline** workflow

The government plans to **streamline** the tax collection process to make it more efficient.

## fin

- n.* a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance

*synonym*: flipper, appendage, stabilizer

(1) back **fin**, (2) a **fin** of a plane

The shark's powerful **fins** allowed it to swim at high speeds.

## aerodynamics

- n.* the study of the motion of air, particularly its interaction with solid objects moving through it, such as aircraft or cars

*synonym*: aeromechanics, aeronautics, airflow

(1) **aerodynamics** research, (2) **aerodynamics** design

The **aerodynamics** of the car allowed it to glide smoothly through the air.

## coordinated

- adj.* effectively arranged or organized so that all the parts work smoothly or systematically together

*synonym*: collective, unified, cooperative

(1) in a **coordinated** manner, (2) **coordinated** robot system

For greater efficiency, our efforts must be better **coordinated**.

## evolution

*n.* a gradual process of transformation of living things  
*synonym*: elaboration, expansion, transition

(1) human **evolution**, (2) **evolution** theory

They study the **evolution** of the universe.

## relate

*v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

*synonym*: connect, link, associate

(1) **relate** a story, (2) **relate** a message

He tried to **relate** his experience to the group, but they couldn't understand.

## larva

*n.* the immature free-living form of insect or an animal, which at hatching from the egg, is fundamentally unlike its parent and must metamorphose

*synonym*: caterpillar, grub, maggot

(1) **larva** of a butterfly, (2) a moth **larva**

The butterfly emerged from its **larva** stage.

## fascinating

*adj.* extremely interesting

*synonym*: alluring, intriguing, captivating

(1) **fascinating** story, (2) completely **fascinating** to me

The museum houses a **fascinating** collection of Celtic artifacts.

## reconstruct

*v.* to build or form something again that has been damaged or destroyed

*synonym*: rebuild, revamp, reorganize

(1) **reconstruct** an image, (2) **reconstruct** the original text

They've decided to **reconstruct** a ruined castle.

## discovery

*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

*synonym*: finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important **discovery**.

## branch

*n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

*synonym*: limb, twig, bough

(1) **branch** office, (2) a **branch** pipe

The **branch** of the tree had fallen and blocked the road.

## diverge

*v.* to move or extend in different directions from a common point; to branch off or deviate from a path or course

*synonym*: separate, split, part

(1) **diverge** from tradition, (2) **diverge** from the main topic

As tectonic plates **diverge**, new oceanic crust is formed along mid-ocean ridges.

## evolutionary

*adj.* relating to or denoting how living things develop or change from earlier forms

*synonym*: developmental, mutative, transformative

(1) ecology and **evolutionary** biology, (2) the **evolutionary** process

**Evolutionary** algorithms can find ways to optimize that humans do not anticipate.

## Session 2: Spelling

1. na\_\_\_\_\_ly arising *adv.* as might be expected; by natural manners
2. be\_\_\_e brows *n.* an insect having a hard shell-like back covering its wings
3. in a ra\_\_\_l direction *adj.* of or relating to rays or the radii of a circle; spreading out from a central point
4. a precise def\_\_\_\_\_on *n.* a concise explanation of the meaning of a word, phrase, or symbol
5. ra\_\_\_l symmetry *adj.* of or relating to rays or the radii of a circle; spreading out from a central point
6. tr\_\_\_\_\_le shape *n.* a three-sided polygon with three angles; something that has three sides or parts
7. 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
8. European an\_\_\_\_\_e *n.* a type of flowering plant that has bright, showy flowers and typically blooms in the spring; a marine creature that resembles flowers but has oral rings of tentacles
9. di\_\_\_\_\_e from tradition *v.* to move or extend in different directions from a common point; to branch off or deviate from a path or course

ANSWERS: 1. naturally, 2. beetle, 3. radial, 4. definition, 5. radial, 6. triangle, 7. develop, 8. anemone, 9. diverge

10. me\_\_\_\_\_n in a report  
*v.* to speak or write about something or someone briefly
11. a man-eating sh\_\_k  
*n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest
12. or\_\_\_d garden  
*n.* a plant with showy or unusual flowers, typically having either a single, complex flower or a cluster of small flowers, many of which are prized for their beauty and often cultivated as ornamental plants
13. linear app\_\_\_\_\_te equation  
*adj.* nearly accurate or correct, but not completely so
14. classical ba\_\_\_\_\_na  
*n.* a female ballet (= a type of performance dance that tells a dramatic story or expresses an idea with music but no talking or singing) dancer
15. the life cycle of a bu\_\_\_\_\_ly  
*n.* a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings
16. mo\_\_\_\_\_nt of troops  
*n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
17. im\_\_\_\_\_ry number  
*adj.* existing only in someone's mind
18. fas\_\_\_\_\_ng story  
*adj.* extremely interesting
19. for in\_\_\_\_\_ce  
*n.* a particular example or single occurrence of something

ANSWERS: 10. mention, 11. shark, 12. orchid, 13. approximate, 14. ballerina, 15. butterfly, 16. movement, 17. imaginary, 18. fascinating, 19. instance



20. mo\_\_t a hill *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
21. mo\_\_t a counterattack *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
22. cast a tra\_\_\_\_\_ion spell *n.* a complete change in form, nature, or appearance of someone or something
23. a ge\_\_\_\_\_ic proof *adj.* relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)
24. un\_\_\_\_\_ed routine *adj.* not altered, modified, or varied in any way
25. job ro\_\_\_\_\_on *n.* the action or process of moving in a circle around an axis or center
26. in\_\_\_\_\_ed angle *adj.* having a tendency or preference for something; likely or disposed to think, feel, or behave in a certain way
27. ur\_\_\_\_n child *n.* a poor and mischievous young child, usually living on the street or in a disadvantaged community; a small, spiny marine animal with a round body and long, pointed spines
28. an id\_\_\_\_\_al equation *adj.* being the exact same one

ANSWERS: 20. mount, 21. mount, 22. transformation, 23. geometric, 24. unchanged, 25. rotation, 26. inclined, 27. urchin, 28. identical

29. me\_\_\_\_\_n name *v.* to speak or write about something or someone briefly
30. the ba\_\_\_\_\_e of power *n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
31. aer\_\_\_\_\_ics research *n.* the study of the motion of air, particularly its interaction with solid objects moving through it, such as aircraft or cars
32. un\_\_\_\_\_ed from the previous month *adj.* not altered, modified, or varied in any way
33. ro\_\_\_\_\_e about the origin *v.* to turn around a central point or axis; to move in a circular path around something
34. completely fas\_\_\_\_\_ng to me *adj.* extremely interesting
35. pair of id\_\_\_\_\_al twins *adj.* being the exact same one
36. st\_\_\_\_\_ng innovation *adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner
37. begin to r\_t *v.* to decay, or cause something to decay, naturally and gradually
38. je\_\_\_\_\_sh sting *n.* a marine creature with a soft, jelly-like body and tentacles for stinging
39. com\_\_\_\_\_ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
40. str\_\_\_\_\_ne administrative activities *v.* to simplify or make more efficient by eliminating unnecessary parts or steps
41. the def\_\_\_\_\_on of a word *n.* a concise explanation of the meaning of a word, phrase, or symbol

ANSWERS: 29. mention, 30. balance, 31. aerodynamics, 32. unchanged, 33. rotate, 34. fascinating, 35. identical, 36. striking, 37. rot, 38. jellyfish, 39. complexity, 40. streamline, 41. definition

42. ro\_\_\_e crops *v.* to turn around a central point or axis; to move in a circular path around something
43. su\_\_\_e changes *adj.* not readily apparent or visible
44. a f\_n of a plane *n.* a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
45. notable in\_\_\_\_\_ce *n.* a particular example or single occurrence of something
46. in\_\_\_\_\_ed to think *adj.* having a tendency or preference for something; likely or disposed to think, feel, or behave in a certain way
47. back f\_n *n.* a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
48. ex\_\_\_\_\_t a great talent *v.* to show something in public for people to enjoy or to provide them with information
49. love tr\_\_\_\_\_le *n.* a three-sided polygon with three angles; something that has three sides or parts
50. asy\_\_\_\_\_ic information *adj.* lacking symmetry or balance; not corresponding in size, shape, or degree; characterized by an uneven or unequal distribution or arrangement
51. str\_\_\_\_\_ne workflow *v.* to simplify or make more efficient by eliminating unnecessary parts or steps
52. re\_\_\_e a story *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

ANSWERS: 42. rotate, 43. subtle, 44. fin, 45. instance, 46. inclined, 47. fin, 48. exhibit, 49. triangle, 50. asymmetric, 51. streamline, 52. relate

53. intellectual f\_\_t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
54. piano co\_\_\_\_to *n.* a composition for one or more solo instruments and an orchestra, typically in three movements
55. bi\_\_\_\_al talks *adj.* involving two sides or done by two parties together
56. re\_\_\_\_nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
57. rec\_\_\_\_ct an image *v.* to build or form something again that has been damaged or destroyed
58. ta\_\_\_\_le assets *adj.* real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value
59. ve\_\_\_\_al takeoff *adj.* upright or perpendicular to a horizontal surface or line
60. bi\_\_\_\_al symmetry *adj.* involving two sides or done by two parties together
61. va\_\_e idea *adj.* not clearly expressed or understood
62. spineless je\_\_\_\_sh *n.* a marine creature with a soft, jelly-like body and tentacles for stinging
63. evolutionary bi\_\_\_\_y *n.* the scientific study of life and the natural processes of living things
64. street ur\_\_\_\_n *n.* a poor and mischievous young child, usually living on the street or in a disadvantaged community; a small, spiny marine animal with a round body and long, pointed spines

ANSWERS: 53. feat, 54. concerto, 55. bilateral, 56. represent, 57. reconstruct, 58. tangible, 59. vertical, 60. bilateral, 61. vague, 62. jellyfish, 63. biology, 64. urchin

65. coo\_\_\_\_\_ed robot system      *adj.* effectively arranged or organized so that all the parts work smoothly or systematically together
66. st\_\_\_\_\_sh habitat      *n.* marine invertebrate that belongs to the phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor
67. hor\_\_\_\_\_al stripes      *adj.* parallel to the ground or in a baseline; being at the same level as all members of a group
68. eff\_\_\_\_\_ss victory      *adj.* requiring little or no effort; not difficult or strenuous; easy to accomplish
69. sl\_\_e a tomato thin      *n.* a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting
70. the great di\_\_\_\_\_ry of the century      *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
71. ab\_\_\_\_\_ct science      *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
72. heir ap\_\_\_\_\_nt      *adj.* able to see or understand easily or clearly
73. a moth la\_\_a      *n.* the immature free-living form of insect or an animal, which at hatching from the egg, is fundamentally unlike its parent and must metamorphose

ANSWERS: 65. coordinated, 66. starfish, 67. horizontal, 68. effortless, 69. slice, 70. discovery, 71. abstract, 72. apparent, 73. larva

74. hor\_\_\_\_\_al lines *adj.* parallel to the ground or in a baseline; being at the same level as all members of a group
75. an ab\_\_\_\_\_ct noun *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
76. the characters that re\_\_\_\_\_nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
77. industry-sp\_\_\_\_\_ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
78. app\_\_\_\_\_te time *adj.* nearly accurate or correct, but not completely so
79. an\_\_\_\_\_e flower *n.* a type of flowering plant that has bright, showy flowers and typically blooms in the spring; a marine creature that resembles flowers but has oral rings of tentacles
80. bilateral sy\_\_\_\_\_ry *n.* balance or proportion in design or structure, with elements arranged evenly on either side of an axis
81. the evo\_\_\_\_\_ary process *adj.* relating to or denoting how living things develop or change from earlier forms
82. di\_\_\_\_\_e from the main topic *v.* to move or extend in different directions from a common point; to branch off or deviate from a path or course
83. equ\_\_\_\_\_al polygon *adj.* characterized by having all sides of equal length, typically used to describe a geometric shape, usually a triangle

ANSWERS: 74. horizontal, 75. abstract, 76. represent, 77. specific, 78. approximate, 79. anemone, 80. symmetry, 81. evolutionary, 82. diverge, 83. equilateral

84. un\_\_\_k a concept *v.* to open and remove stored items from a container or package; to analyze or examine something in detail, often to clarify or understand it better
85. violin co\_\_\_\_\_to *n.* a composition for one or more solo instruments and an orchestra, typically in three movements
86. a circular mo\_\_\_\_\_nt *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
87. a good grounding in mat\_\_\_\_\_cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
88. legal en\_\_\_y *n.* something that exists independently and has its own identity
89. human ev\_\_\_\_\_on *n.* a gradual process of transformation of living things
90. es\_\_\_\_\_al commodities of life *adj.* indispensable; fundamental
91. la\_\_a of a butterfly *n.* the immature free-living form of insect or an animal, which at hatching from the egg, is fundamentally unlike its parent and must metamorphose
92. ap\_\_\_\_\_nt contradiction *adj.* able to see or understand easily or clearly
93. mo\_\_\_\_\_te from one key to another *v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something

ANSWERS: 84. unpack, 85. concerto, 86. movement, 87. mathematics, 88. entity, 89. evolution, 90. essential, 91. larva, 92. apparent, 93. modulate

94. make a va\_\_e answer *adj.* not clearly expressed or understood
95. pr\_\_a facie *adj.* of the highest quality or importance; primary or first in rank or position
96. eff\_\_\_\_\_ss beauty *adj.* requiring little or no effort; not difficult or strenuous; easy to accomplish
97. ecology and evo\_\_\_\_\_ary biology *adj.* relating to or denoting how living things develop or change from earlier forms
98. government en\_\_\_y *n.* something that exists independently and has its own identity
99. im\_\_\_\_\_ry pregnancy *adj.* existing only in someone's mind
100. axial sy\_\_\_\_\_ry *n.* balance or proportion in design or structure, with elements arranged evenly on either side of an axis
101. break a ha\_\_\_\_\_y *n.* the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties
102. st\_\_\_\_\_sh arm *n.* marine invertebrate that belongs to the phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor
103. asset on the company's ba\_\_\_\_\_e sheet *n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
104. r\_t with age *v.* to decay, or cause something to decay, naturally and gradually
105. a man of pr\_\_\_\_\_ty *n.* a thing or things that belong to someone

ANSWERS: 94. vague, 95. prima, 96. effortless, 97. evolutionary, 98. entity, 99. imaginary, 100. symmetry, 101. harmony, 102. starfish, 103. balance, 104. rot, 105. property



106. a sl\_\_e of the company's revenue      *n.* a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting
107. card sh\_\_k      *n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest
108. aer\_\_\_\_ics design      *n.* the study of the motion of air, particularly its interaction with solid objects moving through it, such as aircraft or cars
109. ge\_\_\_\_ic pattern      *adj.* relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)
110. famous ba\_\_\_\_na      *n.* a female ballet (= a type of performance dance that tells a dramatic story or expresses an idea with music but no talking or singing) dancer
111. br\_\_\_h office      *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
112. chemical pr\_\_\_\_ty      *n.* a thing or things that belong to someone
113. bachelor's de\_\_\_e      *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
114. a su\_\_\_e poison      *adj.* not readily apparent or visible

ANSWERS: 106. slice, 107. shark, 108. aerodynamics, 109. geometric, 110. ballerina, 111. branch, 112. property, 113. degree, 114. subtle

115. cognitive com\_\_\_\_\_ty *n.* the state or quality of being complicated or intricate and difficult to understand
116. es\_\_\_\_\_al amino acid *adj.* indispensable; fundamental
117. ve\_\_\_\_\_al axis *adj.* upright or perpendicular to a horizontal surface or line
118. ex\_\_\_\_\_t a bad attitude *v.* to show something in public for people to enjoy or to provide them with information
119. sp\_\_\_\_\_ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
120. a ha\_\_\_\_\_y of colors *n.* the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties
121. mat\_\_\_\_\_cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
122. bu\_\_\_\_\_ly effect *n.* a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings
123. cell and molecular bi\_\_\_\_\_y *n.* the scientific study of life and the natural processes of living things
124. f\_\_t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
125. re\_\_\_e a message *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

ANSWERS: 115. complexity, 116. essential, 117. vertical, 118. exhibit, 119. specific, 120. harmony, 121. mathematics, 122. butterfly, 123. biology, 124. feat, 125. relate

126. rec\_\_\_\_\_ct the original text      *v.* to build or form something again that has been damaged or destroyed
127. 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
128. un\_\_\_k a crate      *v.* to open and remove stored items from a container or package; to analyze or examine something in detail, often to clarify or understand it better
129. na\_\_\_\_\_ly regenerated forest      *adv.* as might be expected; by natural manners
130. pr\_\_a donna      *adj.* of the highest quality or importance; primary or first in rank or position
131. or\_\_\_d species      *n.* a plant with showy or unusual flowers, typically having either a single, complex flower or a cluster of small flowers, many of which are prized for their beauty and often cultivated as ornamental plants
132. a br\_\_\_h pipe      *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
133. a scientific di\_\_\_\_\_ry      *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 126. reconstruct, 127. develop, 128. unpack, 129. naturally, 130. prima, 131. orchid, 132. branch, 133. discovery

134. in a coo\_\_\_\_\_ed manner *adj.* effectively arranged or organized so that all the parts work smoothly or systematically together
135. ev\_\_\_\_\_on theory *n.* a gradual process of transformation of living things
136. asy\_\_\_\_\_ic warfare *adj.* lacking symmetry or balance; not corresponding in size, shape, or degree; characterized by an uneven or unequal distribution or arrangement
137. the tra\_\_\_\_\_ion of a tadpole into a frog *n.* a complete change in form, nature, or appearance of someone or something
138. produce ta\_\_\_\_\_le results *adj.* real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value
139. equ\_\_\_\_\_al shape *adj.* characterized by having all sides of equal length, typically used to describe a geometric shape, usually a triangle
140. a period of ro\_\_\_\_\_on *n.* the action or process of moving in a circle around an axis or center
141. mo\_\_\_\_\_te the function *v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something
142. st\_\_\_\_\_ng evidence *adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner
143. de\_\_\_\_e centigrade *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

ANSWERS: 134. coordinated, 135. evolution, 136. asymmetric, 137. transformation, 138. tangible, 139. equilateral, 140. rotation, 141. modulate, 142. striking, 143. degree

144. a be\_\_\_e larva

*n.* an insect having a hard shell-like back covering its wings

ANSWERS: 144. beetle

## Session 3: Fill in the Blanks

1. The young boy was an \_\_\_\_\_ wandering the streets without a home.  
*n.* a poor and mischievous young child, usually living on the street or in a disadvantaged community; a small, spiny marine animal with a round body and long, pointed spines
2. Parallel lines are, by \_\_\_\_\_ lines on the same plane that never cross.  
*n.* a concise explanation of the meaning of a word, phrase, or symbol
3. The \_\_\_\_\_ ballerina wowed the audience with her graceful performance.  
*adj.* of the highest quality or importance; primary or first in rank or position
4. For greater efficiency, our efforts must be better \_\_\_\_\_.  
*adj.* effectively arranged or organized so that all the parts work smoothly or systematically together
5. Trial and error is an \_\_\_\_\_ part of education.  
*adj.* indispensable; fundamental
6. The butterfly emerged from its \_\_\_\_\_ stage.  
*n.* the immature free-living form of insect or an animal, which at hatching from the egg, is fundamentally unlike its parent and must metamorphose
7. Try to keep a \_\_\_\_\_ between work and off.  
*n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
8. It is an incredible \_\_\_\_\_ to climb Mount Everest, the highest mountain in the world.  
*n.* a notable or impressive achievement, especially one that requires great skill or bravery

ANSWERS: 1. urchin, 2. definition, 3. prima, 4. coordinated, 5. essential, 6. larva, 7. balance, 8. feat

9. The scientist conducted a study that provided \_\_\_\_\_ details about the species' behavior.

*adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

10. The invention of the camera triggered the development of \_\_\_\_\_ painting.

*adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence

11. These chemicals \_\_\_\_\_ the effect of metabolism.

*v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something

12. Little children tend to have \_\_\_\_\_ friends.

*adj.* existing only in someone's mind

13. The project's \_\_\_\_\_ made it difficult for the team to complete it on time.

*n.* the state or quality of being complicated or intricate and difficult to understand

14. The \_\_\_\_\_ graceful movements were a joy to watch.

*n.* a female ballet (= a type of performance dance that tells a dramatic story or expresses an idea with music but no talking or singing) dancer

15. A famous artist painted the room in a \_\_\_\_\_ pink hue.

*adj.* not readily apparent or visible

16. Understanding unitary \_\_\_\_\_ of a normal matrix require considerable mathematical sophistication.

*n.* a complete change in form, nature, or appearance of someone or something

ANSWERS: 9. specific, 10. abstract, 11. modulate, 12. imaginary, 13. complexity, 14. ballerina's, 15. subtle, 16. transformations

17. He stood to inherit a million-dollar \_\_\_\_\_.

*n.* a thing or things that belong to someone

18. He enjoys collecting \_\_\_\_\_ specimens.

*n.* a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings

19. The \_\_\_\_\_ design of the building made it stand out in the city skyline.

*adj.* lacking symmetry or balance; not corresponding in size, shape, or degree; characterized by an uneven or unequal distribution or arrangement

20. The \_\_\_\_\_ unique shape helps it to escape from predators quickly.

*n.* marine invertebrate that belongs to the phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor

21. They study the \_\_\_\_\_ of the universe.

*n.* a gradual process of transformation of living things

22. I am \_\_\_\_\_ to believe that she is telling the truth.

*adj.* having a tendency or preference for something; likely or disposed to think, feel, or behave in a certain way

23. Both countries signed the \_\_\_\_\_ agreement.

*adj.* involving two sides or done by two parties together

24. He was \_\_\_\_\_ gifted.

*adv.* as might be expected; by natural manners

ANSWERS: 17. property, 18. butterfly, 19. asymmetric, 20. starfish's, 21. evolution, 22. inclined, 23. bilateral, 24. naturally



25. I \_\_\_\_\_ to him that I had seen his sister at the grocery store earlier that day.  
*v.* to speak or write about something or someone briefly
26. I need to \_\_\_\_\_ my suitcase and put my clothes away.  
*v.* to open and remove stored items from a container or package; to analyze or examine something in detail, often to clarify or understand it better
27. They \_\_\_\_\_ pictures on the paper in preparation for the birthday card.  
*v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
28. These articles cite five \_\_\_\_\_ of climate change.  
*n.* a particular example or single occurrence of something
29. The two plays have many \_\_\_\_\_ parallels.  
*adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner
30. Airplanes need \_\_\_\_\_ tails to improve stability.  
*adj.* parallel to the ground or in a baseline; being at the same level as all members of a group
31. The \_\_\_\_\_ of the dancers on stage was graceful and elegant.  
*n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
32. He tried to \_\_\_\_\_ his experience to the group, but they couldn't understand.  
*v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

ANSWERS: 25. mentioned, 26. unpack, 27. mounted, 28. instances, 29. striking, 30. horizontal, 31. movement, 32. relate

33. He borrowed money from a loan \_\_\_\_\_.

*n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest

34. \_\_\_\_\_ algorithms can find ways to optimize that humans do not anticipate.

*adj.* relating to or denoting how living things develop or change from earlier forms

35. The \_\_\_\_\_ rumor turned out to be false.

*adj.* not clearly expressed or understood

36. A problem that has been pointed out for years finally becomes \_\_\_\_\_.

*adj.* real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value

37. The \_\_\_\_\_ of the Earth causes day and night.

*n.* the action or process of moving in a circle around an axis or center

38. Other technology industries \_\_\_\_\_ similarly explosive growth.

*v.* to show something in public for people to enjoy or to provide them with information

39. In junior high school, we had to dissect a frog in \_\_\_\_\_ class.

*n.* the scientific study of life and the natural processes of living things

40. As tectonic plates \_\_\_\_\_ new oceanic crust is formed along mid-ocean ridges.

*v.* to move or extend in different directions from a common point; to branch off or deviate from a path or course

ANSWERS: 33. shark, 34. Evolutionary, 35. vague, 36. tangible, 37. rotation, 38. exhibit, 39. biology, 40. diverge,

41. This star is \_\_\_\_\_ to the naked eye.

*adj.* able to see or understand easily or clearly

42. The children complained because one \_\_\_\_\_ of cake was slightly larger than the other.

*n.* a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting

43. He has a flair for \_\_\_\_\_.

*n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

44. Infant formulas are nutritionally almost \_\_\_\_\_ to a mother's breast milk.

*adj.* being the exact same one

45. The \_\_\_\_\_ of the tree had fallen and blocked the road.

*n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

46. They've decided to \_\_\_\_\_ a ruined castle.

*v.* to build or form something again that has been damaged or destroyed

47. The building had a \_\_\_\_\_ pattern that was pleasing to the eye.

*n.* balance or proportion in design or structure, with elements arranged evenly on either side of an axis

48. The museum houses a \_\_\_\_\_ collection of Celtic artifacts.

*adj.* extremely interesting

ANSWERS: 41. apparent, 42. slice, 43. mathematics, 44. identical, 45. branch, 46. reconstruct, 47. symmetry, 48. fascinating

49. The dancer made her performance look \_\_\_\_\_ and graceful.  
*adj.* requiring little or no effort; not difficult or strenuous; easy to accomplish
50. The beach was filled with hundreds of \_\_\_\_\_ so swimming was not recommended.  
*n.* a marine creature with a soft, jelly-like body and tentacles for stinging
51. Her research team made an important \_\_\_\_\_.  
*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
52. A renowned symphony orchestra performed the piano \_\_\_\_\_.  
*n.* a composition for one or more solo instruments and an orchestra, typically in three movements
53. In ancient civilizations, the scarab \_\_\_\_\_ was worshiped as a sacred creature.  
*n.* an insect having a hard shell-like back covering its wings
54. The \_\_\_\_\_ of the car allowed it to glide smoothly through the air.  
*n.* the study of the motion of air, particularly its interaction with solid objects moving through it, such as aircraft or cars
55. The shark's powerful \_\_\_\_\_ allowed it to swim at high speeds.  
*n.* a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
56. The \_\_\_\_\_ blooms were so delicate and beautiful.  
*n.* a plant with showy or unusual flowers, typically having either a single, complex flower or a cluster of small flowers, many of which are prized for their beauty and often cultivated as ornamental plants

ANSWERS: 49. effortless, 50. jellyfish, 51. discovery, 52. concerto, 53. beetle, 54. aerodynamics, 55. fins, 56. orchid

57. We elected him to \_\_\_\_\_ us at the international conference.  
*v.* to speak, act, or be present on behalf of another person or group; to form or constitute
58. The Pythagorean theorem is used to calculate the length of the sides of a right \_\_\_\_\_.  
*n.* a three-sided polygon with three angles; something that has three sides or parts
59. The \_\_\_\_\_ cost of the project was estimated to be around \$500,000.  
*adj.* nearly accurate or correct, but not completely so
60. The \_\_\_\_\_ design of the wheel allows for maximum strength and stability.  
*adj.* of or relating to rays or the radii of a circle; spreading out from a central point
61. The \_\_\_\_\_ shapes and patterns in the artwork are visually stunning.  
*adj.* relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)
62. The company's policy remained \_\_\_\_\_ despite the criticism.  
*adj.* not altered, modified, or varied in any way
63. A company is a distinct legal \_\_\_\_\_.  
*n.* something that exists independently and has its own identity
64. Please refrigerate the meat, or it will \_\_\_\_\_.  
*v.* to decay, or cause something to decay, naturally and gradually
65. 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

ANSWERS: 57. represent, 58. triangle, 59. approximate, 60. radial, 61. geometric, 62. unchanged, 63. entity, 64. rot, 65. develop

66. We worked in perfect \_\_\_\_\_.

- n.* the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties

67. An \_\_\_\_\_ triangle has three equal sides and three equal angles.

- adj.* characterized by having all sides of equal length, typically used to describe a geometric shape, usually a triangle

68. The government plans to \_\_\_\_\_ the tax collection process to make it more efficient.

- v.* to simplify or make more efficient by eliminating unnecessary parts or steps

69. The ladder leaned against the \_\_\_\_\_ surface of the building.

- adj.* upright or perpendicular to a horizontal surface or line

70. The Earth \_\_\_\_\_ on its axis once every 24 hours.

- v.* to turn around a central point or axis; to move in a circular path around something

71. The beautiful \_\_\_\_\_ swayed gently in the ocean current.

- n.* a type of flowering plant that has bright, showy flowers and typically blooms in the spring; a marine creature that resembles flowers but has oral rings of tentacles

72. She received her \_\_\_\_\_ in psychology from the university.

- n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

ANSWERS: 66. harmony, 67. equilateral, 68. streamline, 69. vertical, 70. rotates, 71. anemones, 72. degree