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Vocabulary Builder Reference from...

Katerina Kaouri: The sonic boom problem | TED Talk
https://www.ted.com/talks/katerina_kaouri_the_sonic_boom_problem

All Words

IMPORTANT

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Session 1: Word List

humming

adj. producing a continuous, low, vibrating sound like that of the bee

synonym : buzzing, droning, vibrating

(1) **humming** sound, (2) **humming** bird

The **humming** of the bees filled the air as she walked through the garden.

fascinate

v. to attract and hold the attention of someone deeply and irresistibly

synonym : captivate, intrigue, mesmerize

(1) **fascinate** the public, (2) **fascinate** the young

The magic tricks **fascinated** the children.

progression

n. the act or process of changing to the next stage or phase or moving forward

synonym : advancement, development, evolution

(1) **progression** of civilization, (2) **progression** of disease

The company has made great strides in its **progression** toward sustainability.

velocity

n. the rate of change of an object's position with respect to time, often measured in meters per second (m/s)

synonym : speed, rapidity, swiftness

(1) initial **velocity**, (2) high **velocity**

The **velocity** of the car was too fast for the road conditions.

achievement

n. a thing that someone has accomplished, primarily through their effort and ability

synonym: accomplishment, attainment, triumph

(1) student **achievement**, (2) a remarkable **achievement**

This **achievement** has never been formally accepted.

historic

adj. famous or significant in history, or potentially so

synonym: memorable, momentous, historical

(1) **historic** accomplishment, (2) achieve the **historic** feat

The Chinese people have accomplished several **historic** feats.

barrier

n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective

synonym: border, barricade, fence

(1) cost **barrier**, (2) information **barrier**

The police placed a **barrier** across the street to halt traffic.

flee

v. to leave by running away, especially out of fear or danger

synonym: exit, escape, run away

(1) **flee** their homes, (2) **flee** abroad

It is a basic instinct to **flee** from a dangerous situation.

pilot

n. a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

synonym: aviator, flyer, chief

(1) a test **pilot**, (2) **pilot** production

The **pilot** exercised great care in landing.

eager

adj. showing enthusiasm and a strong desire or interest to do something

synonym: keen, enthusiastic, ardent

(1) **eager** anticipation, (2) with **eager** eyes

The children were **eager** to start the treasure hunt.

turbulence

n. a state of great disturbance, confusion, or uncertainty, often accompanied by violent or disruptive activity or behavior, such as air turbulence during a flight

synonym: choppiness, tumult, agitation

(1) financial **turbulence**, (2) emotional **turbulence**

The ride on the rollercoaster was full of dips and turns, creating a feeling of **turbulence**.

accelerate

v. to make something faster or earlier; to cause to develop or progress more quickly

synonym: speed up, quicken, rev

(1) **accelerate** a chemical reaction, (2) **accelerate** the car

The government tried to **accelerate** the commercialization of this development.

circumvent

v. to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle

synonym: evade, bypass, outsmart

(1) **circumvent** rules, (2) **circumvent** authority

I took a back road to work on time to **circumvent** the traffic jam.

risky

adj. involving the possibility of danger, failure, or loss

synonym: dangerous, perilous, scary

(1) change **risky** behavior, (2) a **risky** enterprise

It is extremely **risky** to sail in such a storm.

dive

v. to jump into the water with your head and arms going in first, or to move down to a deeper level underwater

synonym: dip, leap, plunge

(1) **dive** into anime communities, (2) **dive** off a cliff

The sperm whale can **dive** to 1,000 meters.

tragic

adj. causing great sadness or suffering; very unfortunate
synonym : calamitous, disastrous, catastrophic

(1) **tragic** love stories, (2) **tragic** death

The **tragic** events of the war left many families torn apart.

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.

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.

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.

stabilize

v. to become or cause to become steady or unlikely to give way

synonym : brace, steady, secure

(1) **stabilize** prices, (2) **stabilize** blood sugar levels

The raising of interest rates **stabilizes** the inflation rate.

moving

adj. causing strong emotions or feelings, especially sadness or sympathy

synonym : emotional, poignant, touching

(1) **moving** experience, (2) **moving** ceremony

His **moving** speech about his struggles with addiction brought tears to the audience's eyes.

military

adj. relating to or characteristic of members of the armed forces; of or relating to war or warfare

synonym : armed, martial, warlike

(1) a **military** operation, (2) a **military** leader

The **military** academy was known for its strict discipline and training.

chuck

v. to throw something carelessly or casually; to get rid of something or someone

synonym : toss, throw, discard

(1) **chuck** the ball across the yard, (2) **chuck** my job

I will **chuck** these old shoes in the trash and buy a new pair.

aircraft

n. any vehicle that can fly and carry things or passengers, such as a plane or helicopter

synonym : airplane, plane, airliner

(1) an **aircraft** landing, (2) **aircraft** control system

The marine **aircraft** manufacturer demonstrated their newest hydroplane.

supersonic

adj. relating to or having a speed above the speed of sound (roughly 767 miles per hour or 1,235 kilometers per hour at sea level)

synonym : hypersonic, ultrasonic, transonic

(1) **supersonic** aircraft, (2) **supersonic** wind tunnel

The spacecraft reentered the Earth's atmosphere at **supersonic** speeds.

shock

n. a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant

synonym : amazement, surprise, stunner

(1) death from **shock**, (2) **shock-resistant**

He got an electric **shock** at work.

thunder

n. the loud, deep sound made by air expanding along the path of a bolt of lightning; a deep, prolonged loud noise

synonym : detonation, rumble, roar

(1) **thunder** cloud, (2) deafening **thunder** of applause

The roaring **thunder** was so loud that it woke me from sleep.

sonic

adj. connected with the nature of sound, sound waves, or the speed

synonym : audio, auditory

(1) at **sonic** speed, (2) **sonic** wave

That company has introduced a new aircraft that can minimize the generation of a **sonic** boom.

boom

n. a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound

synonym : roaring, prosperity, boost

(1) **boom** in sales, (2) a sonic **boom**

The high-technology industry is enjoying a **boom**.

distress

n. a feeling of great worry, sadness, pain, or discomfort

synonym : discomfort, despair, misery

(1) a signal of **distress**, (2) emotional **distress**

She has been in great **distress** since she was heartbroken.

damage

v. to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

synonym : harm, impair, injure

(1) **damage** a relationship, (2) **damage** assessment

During the surgery, the doctor had to be extremely cautious not to **damage** a blood vessel.

predict

v. to state beforehand that something will happen in the future, mainly based on knowledge or experience

synonym : forecast, anticipate, foresee

(1) **predict** the future, (2) **predict** when she will arrive

It's notoriously challenging to **predict** birth rates.

atmosphere

n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

synonym : air, ambiance, circumstances

(1) carbon dioxide in the **atmosphere**, (2) a convivial

atmosphere

The spaceship began to burn up as it approached the Earth's **atmosphere**.

pond

n. a small, shallow lake

synonym : lake, pool, basin

(1) a garden **pond**, (2) **pond** water

The freshwater **pond** was home to many different types of fish and was a popular spot for fishing.

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.

similarly

adv. in almost the same way

synonym : also, likewise, ditto

(1) **similarly** situated, (2) have **similarly** great abilities

We argue that wages for temporary workers should **similarly** rise.

stationary

adj. not moving or not capable of being changed

synonym : fixed, immobile, changeless

(1) remain **stationary**, (2) **stationary** bike

Stationary vehicles in traffic jams produce a tremendous amount of pollution.

outward

adj. relating to the external appearance or surface of something; visible

synonym : external, surface, exterior

(1) an **outward** journey, (2) **outward** cheerfulness

The **outward** appearance of the building was impressive, but the inside was in dire need of repairs.

altitude

n. the height of an object or point in relation to sea level or ground level

synonym: height, elevation, tallness

(1) the meridian **altitude**, (2) low **altitude**

The plane flew at a high **altitude** to avoid turbulence.

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.

dimension

n. a measurable extent of a particular kind, such as width, height, or length

synonym: extent, measurement, size

(1) new **dimension**, (2) the crosswise **dimension**

Overall **dimensions** are approximately 400x200mm.

concentric

adj. having a common center, with circles or spheres that share a common center point; having shapes or forms that are aligned or nested within one another

synonym: homocentric, nested, circular

(1) **concentric** design, (2) **concentric** shades of color

Concentric circles surrounded the target on the shooting range.

sphere

n. a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity

synonym: ball, globe, scope

(1) **sphere** of influence, (2) business **sphere**

The **sphere** of the earth is divided into several layers including the crust, mantle, and core.

ray *n.* a narrow line of light, heat, or another form of energy
synonym: beam, light, glimmer

(1) opaque to X- **rays**, (2) effect of cosmic **rays**
Gamma **rays** penetrate body tissues and cause cell damage.

perpendicular *adj.* forming, situated at, or being at a right angle to a given line or plane; upright or vertical; at right angles to the horizon

synonym: vertical, upright, standing

(1) **perpendicular** angles, (2) **perpendicular** walls
The two lines were perfectly **perpendicular** to each other.

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

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

bunch *n.* a grouping of several similar things which are growing or fastened together
synonym: group, assemblage, bundle

(1) a **bunch** of trees, (2) a **bunch** of schoolgirls
One bad apple spoils the whole **bunch**.

frequency *n.* an ordered array of colors into which a light beam can be split
synonym: recurrence, repetition, regularity

(1) **frequency** band, (2) high **frequency**
The oscillator hunts for the correct **frequency**.

pitch

n. the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something

synonym : angle, gradient, slope

(1) make a **pitch** for a new product, (2) a low- **pitched** sound

Her voice gradually increased in **pitch**.

nest

n. a structure in which animals lay their eggs or give birth to their young

synonym : roost, perch, burrow

(1) bird's **nest**, (2) a **nest** of thieves

The female birds build a **nest** and lay their eggs in May.

dramatically

adv. in a very impressive manner

synonym : greatly, noticeably, suddenly

(1) he confessed **dramatically**, (2) the cabin pressure fell **dramatically**

Life expectancy has grown **dramatically** this century.

overtake

v. to catch up to and pass by someone or something that is in front of you, usually about moving vehicles; to come to a point where you become more successful, important, or influential than someone or something else

synonym : surpass, outstrip, catch up with

(1) **overtake** a rival, (2) **overtake** a milestone

The race car driver knew he had to **overtake** the other drivers to win the race.

emit

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

synonym : give off, radiate, expel

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

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

cone

n. a geometric shape that tapers to a point at one end and has a circular base at the other end

(1) traffic **cone**, (2) ice cream **cone**

Cone-shaped cells in the eye's retina are responsible for color vision and visual acuity.

observer

n. a person who watches or notices someone or something but has no active part in it

synonym: spectator, onlooker, watcher

(1) a shrewd **observer**, (2) an **observer** in the region

According to the theory of relativity, time is different for each **observer**.

hyperbola

n. a type of geometric curve, similar to an ellipse, but with two separate and distinct branches that approach infinity; (of mathematics) the curve defined by the difference of the distances from any point on the curve to two fixed points called the foci

synonym: curve, ellipse, parabola

(1) **hyperbola** equation, (2) geometric **hyperbola**

The astrophysicist analyzed the light spectrum emitted from the **hyperbola** nucleus of the distant galaxy.

trail

n. a path or track roughly through a countryside, mountain, or forest area, often made or used for a particular purpose; (verb) to lag or linger behind

synonym: footpath, track, course

(1) a warm **trail**, (2) follow the **trail**

The storm left a **trail** of destruction behind it.

determinant

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

synonym: cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and

a strong work ethic.

involve

v. to include or affect someone or something as a necessary part of something else

synonym: implicate, include, engage

(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk

The investigation **involves** several government agencies and is expected to take several months.

equation

n. the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

(1) the **equation** of poverty with ignorance, (2) a chemical **equation**

In this class, you will learn how to solve quadratic **equations**.

variation

n. the act or state of changing; a difference or change in the way something is done, made or said

synonym: fluctuation, change, variation

(1) **variation** of temperature, (2) gene **variation**

There is a lot of **variation** in the colors of flowers in the garden.

initial

adj. of or happening at the beginning; (noun) the first letter of a word, especially a person's name

synonym: basic, primary, beginning

(1) **initial** velocity, (2) an **initial** letter

They took the **initial** step toward reconciliation.

suddenly

adv. quickly and unexpectedly

synonym: abruptly, unexpectedly, unawares

(1) **suddenly** attacked by an enemy, (2) die **suddenly**

Who answers **suddenly** knows little.

norm

n. something that is regarded as usual, typical, or standard

synonym:

criterion, mean, standard

(1) **norm** of action, (2) cultural **norm**

The systems we have developed has accepted as industry **norms**.

principle

n. a fundamental law or truth that explains or controls how something happens or works

synonym: rule, creed, code

(1) **principle** of treatment, (2) **principle** in business

Efficiency isn't an essential **principle** here; fairness is.

locate

v. to specify or determine the exact position of someone or something

synonym: discover, find, place

(1) **locate** a missing pet, (2) **locate** a tumor

The robot can accurately **locate** construction material.

intensify

v. to increase or make something increase in extent or strength

synonym: amplify, boost, strengthen

(1) **intensify** diplomatic efforts, (2) **intensify** a good relationship

Rebels have pledged to **intensify** the armed struggle against the dictatorship.

atmospheric

adj. about or located in the earth's atmosphere

synonym: atmospherical, climatic

(1) doubling of **atmospheric** carbon dioxide,

(2) **atmospheric** pressure

The sea surface temperature and **atmospheric** circulation are inextricably linked.

trajectory

n. the curved path followed by an object moving through space

synonym: course, curve, orbit

(1) career **trajectory**, (2) a **trajectory** missile

The company has shown an excellent growth **trajectory** over the years.

ongoing

adj. continuing to exist or develop, or currently happening

synonym : continuous, current, proceeding

(1) still **ongoing**, (2) **ongoing** support

The new prime minister has vowed to take measures against the **ongoing** economic crisis.

mitigate

v. to make less severe or less intense; to alleviate or lessen the adverse effects of something

synonym : alleviate, relieve, reduce

(1) **mitigate** risk, (2) **mitigate** a natural disaster

Efforts to **mitigate** the effects of climate change require a coordinated and sustained effort by governments, businesses, and individuals.

meantime

n. the interval or period of time between two events; the interim or temporary time period between two actions or stages of something else

synonym : interim, meanwhile, lag

(1) **meantime** report, (2) for the **meantime**

In the **meantime**, while we wait for the results, let's start working on the next project.

prohibit

v. to officially stop something from being done or used, especially by enforcing the law

synonym : ban, forbid, refuse

(1) **prohibit** destructive activities, (2) **prohibit** the use of phone

Congress passed a law to **prohibit** the disposal of nuclear waste.

silent

adj. without any or little sound

synonym : quiet, hushed, mute

(1) **silent** reading, (2) give **silent** consent

The politician remained **silent** despite intense media scrutiny.

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.

gigantic

adj. extremely large

synonym: huge, enormous, immense

(1) **gigantic** proportions, (2) **gigantic** monsters

He was so hungry from the long journey that he had a **gigantic** appetite.

crack

v. to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking

synonym: snap, burst, break

(1) **crack** an eggshell, (2) a **crack** in a board

He that would eat the kernel must **crack** the nut.

deter

v. to discourage or prevent someone from doing something

synonym: prevent, discourage, forestall

(1) **deter** aggression, (2) **deter** crime

The high fence was meant to **deter** intruders from entering the property.

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.

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**.

underwater

adv. below or under the surface of the water

synonym: submerged, undersea, submarine

(1) hold my breath **underwater**, (2) seals sleep **underwater**

He is good at swimming **underwater**.

stunning

adj. causing a strong emotional reaction of admiration, surprise, or shock due to its beauty, rarity, or excellence

synonym: beautiful, breathtaking, magnificent

(1) **stunning** beauty, (2) **stunning** disclosure

The **stunning** sunset took everyone's breath away.

pray

v. to make a request or petition to a higher power, especially in the form of a respectful or humble request

synonym: implore, supplicate, entreat

(1) **pray** devoutly, (2) **pray** for rain

She closed her eyes and **prayed** for strength to overcome difficult times.

distance

n. the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

synonym: space, gap, span

(1) driving **distance**, (2) social **distance**

The marathon runner covered a long **distance** in a short amount of time.

snap

v. to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands

synonym : break, crack, fracture

(1) **snap** a whip, (2) **snap** judgment

She **snapped** a quick picture of the beautiful sunset before it disappeared.

oversize

adj. larger than the normal or standard size

synonym : large, big, excessive

(1) **oversize** tire, (2) **oversize** bag

The **oversize** jacket was too big for her, but she still wore it because she liked the style.

claw

n. a curved, pointed appendage found on the foot or leg of an animal, used for gripping or grasping; a human hand with long, narrow fingers that are curved like a claw; a machine or tool with a claw-like opening used for gripping or lifting objects

synonym : paw, talon, nail

(1) **claw** marks, (2) **claw** hammer

The bear used its **claw** to catch a fish in the river.

relentless

adj. persistent and determined; continuing despite difficulties or setbacks

synonym : unyielding, tireless, unremitting

(1) **relentless** attack, (2) face **relentless** pressure

The athlete's **relentless** training paid off in the end.

pursue

v. to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them

synonym : seek, hunt, chase

(1) **pursue** a goal, (2) **pursue** freedoms

She intends to **pursue** a political career.

Session 2: Spelling

- | | |
|--------------------------|--|
| 1. e__t a gamma ray | <i>v.</i> to give off or send out something such as light, heat, sound, gas, etc. |
| 2. initial ve____ty | <i>n.</i> the rate of change of an object's position with respect to time, often measured in meters per second (m/s) |
| 3. a sonic b__m | <i>n.</i> a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound |
| 4. a f_n of a plane | <i>n.</i> a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance |
| 5. fa_____te the young | <i>v.</i> to attract and hold the attention of someone deeply and irresistibly |
| 6. pu___e a goal | <i>v.</i> to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them |
| 7. sh___p farming | <i>n.</i> a small, freshwater or saltwater creature with a slender body and long legs |
| 8. pro_____on of disease | <i>n.</i> the act or process of changing to the next stage or phase or moving forward |
| 9. atm_____ic pressure | <i>adj.</i> about or located in the earth's atmosphere |
| 10. at so__c speed | <i>adj.</i> connected with the nature of sound, sound waves, or the speed |

ANSWERS: 1. emit, 2. velocity, 3. boom, 4. fin, 5. fascinate, 6. pursue, 7. shrimp, 8. progression, 9. atmospheric, 10. sonic

11. opaque to X-r_ys *n.* a narrow line of light, heat, or another form of energy
12. effect of cosmic r_ys *n.* a narrow line of light, heat, or another form of energy
13. c__w hammer *n.* a curved, pointed appendage found on the foot or leg of an animal, used for gripping or grasping; a human hand with long, narrow fingers that are curved like a claw; a machine or tool with a claw-like opening used for gripping or lifting objects
14. an ou____d journey *adj.* relating to the external appearance or surface of something; visible
15. cr__k an eggshell *v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
16. back f_n *n.* a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
17. sh___p cocktail *n.* a small, freshwater or saltwater creature with a slender body and long legs
18. per_____lar angles *adj.* forming, situated at, or being at a right angle to a given line or plane; upright or vertical; at right angles to the horizon
19. pr_____it the use of phone *v.* to officially stop something from being done or used, especially by enforcing the law
20. low al____de *n.* the height of an object or point in relation to sea level or ground level

ANSWERS: 11. ray, 12. ray, 13. claw, 14. outward, 15. crack, 16. fin, 17. shrimp, 18. perpendicular, 19. prohibit, 20. altitude

21. hold my breath und_____er *adv.* below or under the surface of the water
22. follow the tr__l *n.* a path or track roughly through a countryside, mountain, or forest area, often made or used for a particular purpose; (verb) to lag or linger behind
23. gi_____ic monsters *adj.* extremely large
24. st_____ng disclosure *adj.* causing a strong emotional reaction of admiration, surprise, or shock due to its beauty, rarity, or excellence
25. sp_____e of influence *n.* a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity
26. ov_____ke a milestone *v.* to catch up to and pass by someone or something that is in front of you, usually about moving vehicles; to come to a point where you become more successful, important, or influential than someone or something else
27. hy_____la equation *n.* a type of geometric curve, similar to an ellipse, but with two separate and distinct branches that approach infinity; (of mathematics) the curve defined by the difference of the distances from any point on the curve to two fixed points called the foci
28. mo_____g ceremony *adj.* causing strong emotions or feelings, especially sadness or sympathy
29. pr_____t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience

ANSWERS: 21. underwater, 22. trail, 23. gigantic, 24. stunning, 25. sphere, 26. overtake, 27. hyperbola, 28. moving, 29. predict

30. a n__t of thieves *n.* a structure in which animals lay their eggs or give birth to their young
31. death from sh__k *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
32. doubling of atm_____ic carbon dioxide *adj.* about or located in the earth's atmosphere
33. cir_____nt authority *v.* to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle
34. d__e off a cliff *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
35. a warm tr__l *n.* a path or track roughly through a countryside, mountain, or forest area, often made or used for a particular purpose; (verb) to lag or linger behind
36. a signal of di_____ss *n.* a feeling of great worry, sadness, pain, or discomfort
37. mo____g experience *adj.* causing strong emotions or feelings, especially sadness or sympathy
38. pr_____it destructive activities *v.* to officially stop something from being done or used, especially by enforcing the law
39. ou_____d cheerfulness *adj.* relating to the external appearance or surface of something; visible
40. ov_____ze bag *adj.* larger than the normal or standard size

ANSWERS: 30. nest, 31. shock, 32. atmospheric, 33. circumvent, 34. dive, 35. trail, 36. distress, 37. moving, 38. prohibit, 39. outward, 40. oversize

41. tr___c death *adj.* causing great sadness or suffering; very unfortunate
42. emotional di_____ss *n.* a feeling of great worry, sadness, pain, or discomfort
43. ch__k my job *v.* to throw something carelessly or casually; to get rid of something or someone
44. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
45. da___e assessment *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
46. hor_____al lines *adj.* parallel to the ground or in a baseline; being at the same level as all members of a group
47. a chemical eq_____on *n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign
48. st_____ze blood sugar levels *v.* to become or cause to become steady or unlikely to give way
49. student ach_____nt *n.* a thing that someone has accomplished, primarily through their effort and ability

ANSWERS: 41. tragic, 42. distress, 43. chuck, 44. involve, 45. damage, 46. horizontal, 47. equation, 48. stabilize, 49. achievement

50. a low-pi__hed sound *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
51. st____ng beauty *adj.* causing a strong emotional reaction of admiration, surprise, or shock due to its beauty, rarity, or excellence
52. fa_____te the public *v.* to attract and hold the attention of someone deeply and irresistibly
53. ea__r anticipation *adj.* showing enthusiasm and a strong desire or interest to do something
54. an ob_____er in the region *n.* a person who watches or notices someone or something but has no active part in it
55. rel_____ss attack *adj.* persistent and determined; continuing despite difficulties or setbacks
56. a mi_____ry leader *adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare
57. ov_____ke a rival *v.* to catch up to and pass by someone or something that is in front of you, usually about moving vehicles; to come to a point where you become more successful, important, or influential than someone or something else
58. pi__t production *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

ANSWERS: 50. pitch, 51. stunning, 52. fascinate, 53. eager, 54. observer, 55. relentless, 56. military, 57. overtake, 58. pilot

59. an in_____l letter *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
60. gi_____ic proportions *adj.* extremely large
61. driving di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
62. the cabin pressure fell dra_____lly *adv.* in a very impressive manner
63. emotional tur_____ce *n.* a state of great disturbance, confusion, or uncertainty, often accompanied by violent or disruptive activity or behavior, such as air turbulence during a flight
64. mi_____te a natural disaster *v.* to make less severe or less intense; to alleviate or lessen the adverse effects of something
65. geometric hy_____la *n.* a type of geometric curve, similar to an ellipse, but with two separate and distinct branches that approach infinity; (of mathematics) the curve defined by the difference of the distances from any point on the curve to two fixed points called the foci
66. a test pi__t *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
67. su_____ly attacked by an enemy *adv.* quickly and unexpectedly

ANSWERS: 59. initial, 60. gigantic, 61. distance, 62. dramatically, 63. turbulence, 64. mitigate, 65. hyperbola, 66. pilot, 67. suddenly

68. give si__t consent *adj.* without any or little sound
69. apex pr____or *n.* an animal whose natural behavior is to prey on others
70. f__e their homes *v.* to leave by running away, especially out of fear or danger
71. have si_____ly great abilities *adv.* in almost the same way
72. pu___e freedoms *v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
73. a mi_____ry operation *adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare
74. with ea__r eyes *adj.* showing enthusiasm and a strong desire or interest to do something
75. e__t air pollution *v.* to give off or send out something such as light, heat, sound, gas, etc.
76. da___e a relationship *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
77. hi_____ic accomplishment *adj.* famous or significant in history, or potentially so
78. the crosswise di_____on *n.* a measurable extent of a particular kind, such as width, height, or length

ANSWERS: 68. silent, 69. predator, 70. flee, 71. similarly, 72. pursue, 73. military, 74. eager, 75. emit, 76. damage, 77. historic, 78. dimension

79. career tra_____ry *n.* the curved path followed by an object moving through space
80. f__e abroad *v.* to leave by running away, especially out of fear or danger
81. traffic c__e *n.* a geometric shape that tapers to a point at one end and has a circular base at the other end
82. seals sleep und_____er *adv.* below or under the surface of the water
83. per_____lar walls *adj.* forming, situated at, or being at a right angle to a given line or plane; upright or vertical; at right angles to the horizon
84. change ri__y behavior *adj.* involving the possibility of danger, failure, or loss
85. sexual pr_____ors *n.* an animal whose natural behavior is to prey on others
86. sh__k-resistant *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
87. th_____r cloud *n.* the loud, deep sound made by air expanding along the path of a bolt of lightning; a deep, prolonged loud noise
88. a convivial atm_____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
89. 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

ANSWERS: 79. trajectory, 80. flee, 81. cone, 82. underwater, 83. perpendicular, 84. risky, 85. predator, 86. shock, 87. thunder, 88. atmosphere, 89. advantage

90. high fr_____cy *n.* an ordered array of colors into which a light beam can be split
91. b__m in sales *n.* a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound
92. p__d water *n.* a small, shallow lake
93. st_____ze prices *v.* to become or cause to become steady or unlikely to give way
94. mi_____te risk *v.* to make less severe or less intense; to alleviate or lessen the adverse effects of something
95. va_____on of temperature *n.* the act or state of changing; a difference or change in the way something is done, made or said
96. con_____ic shades of color *adj.* having a common center, with circles or spheres that share a common center point; having shapes or forms that are aligned or nested within one another
97. sta_____ry bike *adj.* not moving or not capable of being changed
98. still on_____g *adj.* continuing to exist or develop, or currently happening
99. ra___l symmetry *adj.* of or relating to rays or the radii of a circle; spreading out from a central point
100. p__y for rain *v.* to make a request or petition to a higher power, especially in the form of a respectful or humble request

ANSWERS: 90. frequency, 91. boom, 92. pond, 93. stabilize, 94. mitigate, 95. variation, 96. concentric, 97. stationary, 98. ongoing, 99. radial, 100. pray

101. in_____fy diplomatic efforts *v.* to increase or make something increase in extent or strength
102. p__y devoutly *v.* to make a request or petition to a higher power, especially in the form of a respectful or humble request
103. hu_____g bird *adj.* producing a continuous, low, vibrating sound like that of the bee
104. in_____fy a good relationship *v.* to increase or make something increase in extent or strength
105. c__w marks *n.* a curved, pointed appendage found on the foot or leg of an animal, used for gripping or grasping; a human hand with long, narrow fingers that are curved like a claw; a machine or tool with a claw-like opening used for gripping or lifting objects
106. remain sta_____ry *adj.* not moving or not capable of being changed
107. cir_____nt rules *v.* to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle
108. con_____ic design *adj.* having a common center, with circles or spheres that share a common center point; having shapes or forms that are aligned or nested within one another
109. financial tur_____ce *n.* a state of great disturbance, confusion, or uncertainty, often accompanied by violent or disruptive activity or behavior, such as air turbulence during a flight

ANSWERS: 101. intensify, 102. pray, 103. humming, 104. intensify, 105. claw, 106. stationary, 107. circumvent, 108. concentric, 109. turbulence

110. s__p judgment *v.* to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
111. acc_____te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly
112. in_____l velocity *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
113. d__e into anime communities *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
114. on_____g support *adj.* continuing to exist or develop, or currently happening
115. cost ba_____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
116. me_____me report *n.* the interval or period of time between two events; the interim or temporary time period between two actions or stages of something else
117. a bu__h of schoolgirls *n.* a grouping of several similar things which are growing or fastened together
118. s__p a whip *v.* to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
119. an ai_____ft landing *n.* any vehicle that can fly and carry things or passengers, such as a plane or helicopter

ANSWERS: 110. snap, 111. accelerate, 112. initial, 113. dive, 114. ongoing, 115. barrier, 116. meantime, 117. bunch, 118. snap, 119. aircraft

120. wh_____e a tune *v.* to make a high-pitched sound by forcing breath through a small opening, usually with the lips or fingers; (noun) a piece of equipment that forces air or steam against an edge or into a cavity and so produces a loud shrill sound
121. face rel_____ss pressure *adj.* persistent and determined; continuing despite difficulties or setbacks
122. si____t reading *adj.* without any or little sound
123. a det_____nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
124. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
125. a shrewd ob_____er *n.* a person who watches or notices someone or something but has no active part in it
126. pr_____le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works
127. de__r crime *v.* to discourage or prevent someone from doing something
128. im_____e a process *v.* to make or become better
129. hor_____al stripes *adj.* parallel to the ground or in a baseline; being at the same level as all members of a group

ANSWERS: 120. whistle, 121. relentless, 122. silent, 123. determinant, 124. determinant, 125. observer, 126. principle, 127. deter, 128. improve, 129. horizontal

130. business sp___e	<i>n.</i> a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity
131. cultural n__m	<i>n.</i> something that is regarded as usual, typical, or standard
132. si_____ly situated	<i>adv.</i> in almost the same way
133. achieve the hi_____ic feat	<i>adj.</i> famous or significant in history, or potentially so
134. lo___e a tumor	<i>v.</i> to specify or determine the exact position of someone or something
135. so__c wave	<i>adj.</i> connected with the nature of sound, sound waves, or the speed
136. he confessed dra_____lly	<i>adv.</i> in a very impressive manner
137. pro_____on of civilization	<i>n.</i> the act or process of changing to the next stage or phase or moving forward
138. ai_____ft control system	<i>n.</i> any vehicle that can fly and carry things or passengers, such as a plane or helicopter
139. fr_____cy band	<i>n.</i> an ordered array of colors into which a light beam can be split
140. n__m of action	<i>n.</i> something that is regarded as usual, typical, or standard
141. bird's n__t	<i>n.</i> a structure in which animals lay their eggs or give birth to their young
142. ov_____ze tire	<i>adj.</i> larger than the normal or standard size
143. extreme tem_____res	<i>n.</i> the degree of hotness or coldness of a thing or place

ANSWERS: 130. sphere, 131. norm, 132. similarly, 133. historic, 134. locate, 135. sonic, 136. dramatically, 137. progression, 138. aircraft, 139. frequency, 140. norm, 141. nest, 142. oversize, 143. temperature

144. lo___e a missing pet *v.* to specify or determine the exact position of someone or something
145. gene va_____on *n.* the act or state of changing; a difference or change in the way something is done, made or said
146. pr_____le in business *n.* a fundamental law or truth that explains or controls how something happens or works
147. social di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
148. the eq_____on of poverty with ignorance *n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign
149. for the me_____me *n.* the interval or period of time between two events; the interim or temporary time period between two actions or stages of something else
150. deafening th_____r of applause *n.* the loud, deep sound made by air expanding along the path of a bolt of lightning; a deep, prolonged loud noise
151. carbon dioxide in the atm_____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
152. pr_____t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience

ANSWERS: 144. locate, 145. variation, 146. principle, 147. distance, 148. equation, 149. meantime, 150. thunder, 151. atmosphere, 152. predict

153. im____e the test score *v.* to make or become better
154. die su____ly *adv.* quickly and unexpectedly
155. the atmospheric tem____re *n.* the degree of hotness or coldness of a thing or place
156. in a ra____l direction *adj.* of or relating to rays or the radii of a circle; spreading out from a central point
157. a garden p__d *n.* a small, shallow lake
158. in____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
159. a cr__k in a board *v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
160. acc____te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
161. de__r aggression *v.* to discourage or prevent someone from doing something
162. new di____on *n.* a measurable extent of a particular kind, such as width, height, or length
163. tr____c love stories *adj.* causing great sadness or suffering; very unfortunate
164. the meridian al____de *n.* the height of an object or point in relation to sea level or ground level
165. ice cream c__e *n.* a geometric shape that tapers to a point at one end and has a circular base at the other end

ANSWERS: 153. improve, 154. suddenly, 155. temperature, 156. radial, 157. pond, 158. involve, 159. crack, 160. accelerate, 161. deter, 162. dimension, 163. tragic, 164. altitude, 165. cone

166. make a pi__h for a new product *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
167. information ba____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
168. sup____ic aircraft *adj.* relating to or having a speed above the speed of sound (roughly 767 miles per hour or 1,235 kilometers per hour at sea level)
169. a tra____ry missile *n.* the curved path followed by an object moving through space
170. wh____e for help *v.* to make a high-pitched sound by forcing breath through a small opening, usually with the lips or fingers; (noun) a piece of equipment that forces air or steam against an edge or into a cavity and so produces a loud shrill sound
171. sup____ic wind tunnel *adj.* relating to or having a speed above the speed of sound (roughly 767 miles per hour or 1,235 kilometers per hour at sea level)
172. a bu__h of trees *n.* a grouping of several similar things which are growing or fastened together
173. a ri__y enterprise *adj.* involving the possibility of danger, failure, or loss
174. hu____g sound *adj.* producing a continuous, low, vibrating sound like that of the bee

ANSWERS: 166. pitch, 167. barrier, 168. supersonic, 169. trajectory, 170. whistle, 171. supersonic, 172. bunch, 173. risky, 174. humming

175. ch__k the ball across the yard *v.* to throw something carelessly or casually; to get rid of something or someone
176. high ve____ty *n.* the rate of change of an object's position with respect to time, often measured in meters per second (m/s)
177. 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
178. a remarkable ach____nt *n.* a thing that someone has accomplished, primarily through their effort and ability

ANSWERS: 175. chuck, 176. velocity, 177. advantage, 178. achievement

Session 3: Fill in the Blanks

1. The magic tricks _____ the children.
v. to attract and hold the attention of someone deeply and irresistibly
2. 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
3. The sea surface temperature and _____ circulation are inextricably linked.
adj. about or located in the earth's atmosphere
4. The spaceship began to burn up as it approached the Earth's _____.
n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
5. Efficiency isn't an essential _____ here; fairness is.
n. a fundamental law or truth that explains or controls how something happens or works
6. The astrophysicist analyzed the light spectrum emitted from the _____ nucleus of the distant galaxy.
n. a type of geometric curve, similar to an ellipse, but with two separate and distinct branches that approach infinity; (of mathematics) the curve defined by the difference of the distances from any point on the curve to two fixed points called the foci
7. The _____ sunset took everyone's breath away.
adj. causing a strong emotional reaction of admiration, surprise, or shock due to its beauty, rarity, or excellence

ANSWERS: 1. fascinated, 2. horizontal, 3. atmospheric, 4. atmosphere, 5. principle, 6. hyperbola, 7. stunning

8. The roaring _____ was so loud that it woke me from sleep.
n. the loud, deep sound made by air expanding along the path of a bolt of lightning; a deep, prolonged loud noise
9. The _____ events of the war left many families torn apart.
adj. causing great sadness or suffering; very unfortunate
10. The robot can accurately _____ construction material.
v. to specify or determine the exact position of someone or something
11. The new prime minister has vowed to take measures against the _____ economic crisis.
adj. continuing to exist or develop, or currently happening
12. _____ circles surrounded the target on the shooting range.
adj. having a common center, with circles or spheres that share a common center point; having shapes or forms that are aligned or nested within one another
13. The plane flew at a high _____ to avoid turbulence.
n. the height of an object or point in relation to sea level or ground level
14. He got an electric _____ at work.
n. a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
15. The raising of interest rates _____ the inflation rate.
v. to become or cause to become steady or unlikely to give way
16. We argue that wages for temporary workers should _____ rise.
adv. in almost the same way

ANSWERS: 8. thunder, 9. tragic, 10. locate, 11. ongoing, 12. Concentric, 13. altitude, 14. shock, 15. stabilizes, 16. similarly

17. The company has made great strides in its _____ toward sustainability.
n. the act or process of changing to the next stage or phase or moving forward
18. The two lines were perfectly _____ to each other.
adj. forming, situated at, or being at a right angle to a given line or plane; upright or vertical; at right angles to the horizon
19. The investigation _____ several government agencies and is expected to take several months.
v. to include or affect someone or something as a necessary part of something else
20. The politician remained _____ despite intense media scrutiny.
adj. without any or little sound
21. The oscillator hunts for the correct _____.
n. an ordered array of colors into which a light beam can be split
22. In the _____ while we wait for the results, let's start working on the next project.
n. the interval or period of time between two events; the interim or temporary time period between two actions or stages of something else
23. Rebels have pledged to _____ the armed struggle against the dictatorship.
v. to increase or make something increase in extent or strength
24. The _____ jacket was too big for her, but she still wore it because she liked the style.
adj. larger than the normal or standard size

ANSWERS: 17. progression, 18. perpendicular, 19. involves, 20. silent, 21. frequency, 22. meantime, 23. intensify, 24. oversize

25. According to the theory of relativity, time is different for each _____.
- n.* a person who watches or notices someone or something but has no active part in it
26. The native South American animals were in danger because of the _____ arrival.
- n.* an animal whose natural behavior is to prey on others
27. The spacecraft reentered the Earth's atmosphere at _____ speeds.
- adj.* relating to or having a speed above the speed of sound (roughly 767 miles per hour or 1,235 kilometers per hour at sea level)
28. The high-technology industry is enjoying a _____.
- n.* a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound
29. That company has introduced a new aircraft that can minimize the generation of a _____ boom.
- adj.* connected with the nature of sound, sound waves, or the speed
30. This _____ has never been formally accepted.
- n.* a thing that someone has accomplished, primarily through their effort and ability
31. The high fence was meant to _____ intruders from entering the property.
- v.* to discourage or prevent someone from doing something
32. The marathon runner covered a long _____ in a short amount of time.
- n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

ANSWERS: 25. observer, 26. predator's, 27. supersonic, 28. boom, 29. sonic, 30. achievement, 31. deter, 32. distance

33. The police placed a _____ across the street to halt traffic.
n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
34. Who answers _____ knows little.
adv. quickly and unexpectedly
35. During the unloading, the container box _____ a clicking sound.
v. to give off or send out something such as light, heat, sound, gas, etc.
36. During the surgery, the doctor had to be extremely cautious not to _____ a blood vessel.
v. to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
37. The children were _____ to start the treasure hunt.
adj. showing enthusiasm and a strong desire or interest to do something
38. The _____ appearance of the building was impressive, but the inside was in dire need of repairs.
adj. relating to the external appearance or surface of something; visible
39. I took a back road to work on time to _____ the traffic jam.
v. to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle
40. Her voice gradually increased in _____.
n. the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something

ANSWERS: 33. barrier, 34. suddenly, 35. emits, 36. damage, 37. eager, 38. outward, 39. circumvent, 40. pitch

41. It is a basic instinct to _____ from a dangerous situation.
v. to leave by running away, especially out of fear or danger
42. Overall _____ are approximately 400x200mm.
n. a measurable extent of a particular kind, such as width, height, or length
43. The company has shown an excellent growth _____ over the years.
n. the curved path followed by an object moving through space
44. Congress passed a law to _____ the disposal of nuclear waste.
v. to officially stop something from being done or used, especially by enforcing the law
45. The systems we have developed has accepted as industry _____.
n. something that is regarded as usual, typical, or standard
46. She _____ a quick picture of the beautiful sunset before it disappeared.
v. to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
47. The _____ of the earth is divided into several layers including the crust, mantle, and core.
n. a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity
48. He was so hungry from the long journey that he had a _____ appetite.
adj. extremely large
49. The race car driver knew he had to _____ the other drivers to win the race.
v. to catch up to and pass by someone or something that is in front of you, usually about moving vehicles; to come to a point where you become more successful, important, or influential than someone or something else

ANSWERS: 41. flee, 42. dimensions, 43. trajectory, 44. prohibit, 45. norms, 46. snapped, 47. sphere, 48. gigantic, 49. overtake

50. One bad apple spoils the whole _____.

n. a grouping of several similar things which are growing or fastened together

51. There is a lot of _____ in the colors of flowers in the garden.

n. the act or state of changing; a difference or change in the way something is done, made or said

52. The _____ exercised great care in landing.

n. a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

53. Life expectancy has grown _____ this century.

adv. in a very impressive manner

54. The storm left a _____ of destruction behind it.

n. a path or track roughly through a countryside, mountain, or forest area, often made or used for a particular purpose; (verb) to lag or linger behind

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. In this class, you will learn how to solve quadratic _____.

n. the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

57. One _____ of success is having a positive attitude and a strong work ethic.

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

ANSWERS: 50. bunch, 51. variation, 52. pilot, 53. dramatically, 54. trail, 55. fins, 56. equations, 57. determinant

58. Efforts to _____ the effects of climate change require a coordinated and sustained effort by governments, businesses, and individuals.
- v.* to make less severe or less intense; to alleviate or lessen the adverse effects of something
59. I will _____ these old shoes in the trash and buy a new pair.
- v.* to throw something carelessly or casually; to get rid of something or someone
60. The ride on the rollercoaster was full of dips and turns, creating a feeling of _____.
- n.* a state of great disturbance, confusion, or uncertainty, often accompanied by violent or disruptive activity or behavior, such as air turbulence during a flight
61. The freshwater _____ was home to many different types of fish and was a popular spot for fishing.
- n.* a small, shallow lake
62. _____ cells in the eye's retina are responsible for color vision and visual acuity.
- n.* a geometric shape that tapers to a point at one end and has a circular base at the other end
63. Gamma _____ penetrate body tissues and cause cell damage.
- n.* a narrow line of light, heat, or another form of energy
64. 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
65. She has been in great _____ since she was heartbroken.
- n.* a feeling of great worry, sadness, pain, or discomfort

ANSWERS: 58. mitigate, 59. chuck, 60. turbulence, 61. pond, 62. Cone-shaped, 63. rays, 64. advantages, 65. distress

66. The _____ of the car was too fast for the road conditions.

n. the rate of change of an object's position with respect to time, often measured in meters per second (m/s)

67. They took the _____ step toward reconciliation.

adj. of or happening at the beginning; (noun) the first letter of a word, especially a person's name

68. His _____ speech about his struggles with addiction brought tears to the audience's eyes.

adj. causing strong emotions or feelings, especially sadness or sympathy

69. The sperm whale can _____ to 1,000 meters.

v. to jump into the water with your head and arms going in first, or to move down to a deeper level underwater

70. She closed her eyes and _____ for strength to overcome difficult times.

v. to make a request or petition to a higher power, especially in the form of a respectful or humble request

71. The athlete's _____ training paid off in the end.

adj. persistent and determined; continuing despite difficulties or setbacks

72. The employee decided to _____ on the company's illegal activities.

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

73. It's notoriously challenging to _____ birth rates.

v. to state beforehand that something will happen in the future, mainly based on knowledge or experience

ANSWERS: 66. velocity, 67. initial, 68. moving, 69. dive, 70. prayed, 71. relentless, 72. whistle-blow, 73. predict

74. The _____ of the bees filled the air as she walked through the garden.

adj. producing a continuous, low, vibrating sound like that of the bee

75. The marine _____ manufacturer demonstrated their newest hydroplane.

n. any vehicle that can fly and carry things or passengers, such as a plane or helicopter

76. The bear used its _____ to catch a fish in the river.

n. a curved, pointed appendage found on the foot or leg of an animal, used for gripping or grasping; a human hand with long, narrow fingers that are curved like a claw; a machine or tool with a claw-like opening used for gripping or lifting objects

77. Cities around the world set records for highest _____ this summer.

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

78. The Chinese people have accomplished several _____ feats.

adj. famous or significant in history, or potentially so

79. The female birds build a _____ and lay their eggs in May.

n. a structure in which animals lay their eggs or give birth to their young

80. The government tried to _____ the commercialization of this development.

v. to make something faster or earlier; to cause to develop or progress more quickly

81. 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

ANSWERS: 74. humming, 75. aircraft, 76. claw, 77. temperatures, 78. historic, 79. nest, 80. accelerate, 81. radial

82. The _____ academy was known for its strict discipline and training.

adj. relating to or characteristic of members of the armed forces; of or relating to war or warfare

83. The seafood restaurant had a variety of dishes featuring _____.

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

84. She intends to _____ a political career.

v. to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them

85. He that would eat the kernel must _____ the nut.

v. to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking

86. He is good at swimming _____.

adv. below or under the surface of the water

87. It is extremely _____ to sail in such a storm.

adj. involving the possibility of danger, failure, or loss

88. We want to _____ ties between our two countries.

v. to make or become better

89. _____ vehicles in traffic jams produce a tremendous amount of pollution.

adj. not moving or not capable of being changed

ANSWERS: 82. military, 83. shrimp, 84. pursue, 85. crack, 86. underwater, 87. risky, 88. improve, 89. Stationary