

Englist.me



Vocabulary Builder Reference from...

Fabio Pacucci: The battle that formed the universe |

TED Talk

[https://www.ted.com/talks/fabio_pacucci_the_battle_t
hat_formed_the_universe](https://www.ted.com/talks/fabio_pacucci_the_battle_that_formed_the_universe)

All Words

IMPORTANT

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

Session 1: Word List

grab

v. to take hold of something or someone suddenly with a hand, especially in a violent way

synonym: clutch, snatch, grasp

(1) **grab** an audience, (2) **grab** an opportunity

Shall we **grab** a bite to eat?

soon-to-be

adj. used to describe someone or something that will soon become something else or will soon be in a different state or position

synonym: upcoming, imminent, future

(1) **soon-to-be** parents, (2) **soon-to-be** graduates

The **soon-to-be** bride was busy planning all the details of her upcoming wedding.

universe

n. everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

synonym: cosmos, macrocosm

(1) theory of the **universe**, (2) expansion of the **universe**

The **universe** is about 13.8 billion years old.

bang

v. to hit or cause to hit something in a way that makes a loud noise

synonym : crash, hit, smash

(1) **bang** his fist on a desk, (2) **bang** a phone down

My father tried to **bang** mathematics into my head since childhood.

particle

n. a small piece of something; a word or piece of a term with grammatical function but little or no significance

synonym : atom, grain, bit

(1) charged **particle**, (2) **particle** energy

We can calculate the position of the **particles** statistically.

mass

n. a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

synonym : abundance, crowd, mob

(1) a **mass** of molten rock, (2) critical **mass**

The **mass** of people who do not own property is politically impotent.

infinite

adj. unlimited or very great; impossible to measure

synonym : boundless, countless, limitless

(1) **infinite** appetite, (2) **infinite** in supply

The battle had an **infinite** impact on the nation.

gravity

n. the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

synonym : heaviness, attraction, weight

(1) the attraction of **gravity**, (2) preserve my **gravity**

The astronaut felt weightless in space due to the absence of **gravity**.

contender

n. the contestant you hope to defeat

synonym : rival, competitor, challenger

(1) championship **contender**, (2) presidential **contender**

We were looking at a severe **contender** indeed.

spectacular

adj. striking or impressive to look at or in performance or achievement

synonym : breathtaking, impressive, grand

(1) **spectacular** view, (2) achieve **spectacular** growth

The **spectacular** fireworks display was the highlight of the festival.

strength

n. the quality or state of being physically, or sometimes mentally, strong

synonym : resilience, power, muscles

(1) **strength** of the economy, (2) muscular **strength**

Health and **strength** are, above all, gold.

wrestling

n. a sport in which two contestants grapple and try to throw each other to the ground

synonym : grappling, fighting, brawling

(1) **wrestling** match, (2) arm **wrestling**

He had always been interested in sumo **wrestling** and decided to try it.

folk

n. people in general, especially those of a particular group or type

synonym : community, family, person

(1) **folk** art, (2) the **folk** songs of a particular district

Some seaweed was used as **folk** medicine in ancient times.

ripple

n. a small wave on the surface of a liquid, typically caused by an object falling into it or a slight wind

synonym : wave, undulation, fluctuation

(1) a **ripple** of laughter, (2) **ripple** in the water

Many businesses felt the **ripple** effect of the economy's decline.

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.

structure

n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

synonym: construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain

The organizational **structure** of start-ups is often flat and straightforward.

zoom

v. to move along very quickly; (noun) the act of rising upward into the air

synonym: move quickly, dive, buzz

(1) **zoom** in on a photo, (2) **zoom** lens

He **zoomed** back in time to the soccer game.

epic

n. a long and eventful or heroic history, story, poem, or film; (adjective) very imposing or impressive

synonym: legendary, mythical, classical

(1) heroic **epic**, (2) **epic** battle

The military **epic** between the two armies was one for the history books.

component

n. one of several parts that combines with others to form something bigger

synonym: element, part, factor

(1) key **component**, (2) spare **components** for cars

The researchers try to discover a common **component** in all types of successful organizations.

infant

n. a baby or very young child

synonym: baby, newborn, tot

(1) **infant** daughter, (2) **infant** food

Mozart was an **infant** prodigy.

interact

v. to communicate or react with somebody

synonym : cooperate, combine, collaborate

(1) **interact** directly with customers, (2) **interact** with one another

He should **interact** more with his colleagues.

baryon

n. a subatomic particle, such as a proton or neutron, that is composed of three quarks and is responsible for the formation of atomic nuclei

synonym : particle, hadron, nucleon

(1) **baryon** number, (2) **baryon** resonance

The **baryon** density in the early universe is believed to have significantly impacted the formation of galaxies.

radiation

n. the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

synonym : dissemination, emission, irradiation

(1) exposure to **radiation**, (2) electromagnetic **radiation**

He tried every possible treatment, including chemotherapy and **radiation** therapy.

compose

v. to write music, poetry, or formal writing; to constitute or make up a whole, or a specified part of it

synonym : compile, constitute, build

(1) **compose** an essay, (2) **compose** my thoughts

The structure is **composed** of three main components.

innumerable

adj. too many to be counted

synonym : many, infinite, countless

(1) **innumerable** stars, (2) give **innumerable** interviews

We have overcome **innumerable** difficulties since our founding.

photon

n. a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation

synonym : particle, quantum, light

(1) **photon** emission, (2) **photon** energy

Infrared cameras detect **photons** in the infrared range of the electromagnetic spectrum.

equilibrium

n. a state in which opposing forces or influences are balanced

synonym : balance, stability, harmony

(1) **equilibrium** point, (2) political **equilibrium**

The company struggled to maintain an **equilibrium** between its profits and social responsibilities.

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.

dense

adj. containing a large number of people or something with little space between them

synonym : heavy, thick, idiotic

(1) nutrient- **dense** foods, (2) **dense** forests

The entire mountain is covered in **dense** rainforest.

expand

v. to increase or to make something greater in size, number, or importance

synonym : extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output

They hope to **expand** their business worldwide.

density

n. the quality of compactness of a substance

synonym : tightness, viscosity

(1) population **density**, (2) higher pixel **density**

Do you know the **density** of the population in Hong Kong?

emerge

v. to move out of or away from something and become visible

synonym : arise, occur, appear

(1) **emerge** as a butterfly, (2) **emerge** from poverty

During colonial eras, new migratory patterns **emerged**.

immediately

adv. now or without delay

synonym : directly, instantly, promptly

(1) **immediately** recall a product, (2) write him an answer **immediately**

A suspension order from the court is effective **immediately**.

increasingly

adv. more and more

synonym : more and more, progressively

(1) **increasingly** become common, (2) face **increasingly** complicated challenges

Our company found it **increasingly** difficult to keep up with the competition.

galaxy

n. an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity

synonym : star cluster, nebula, star system

(1) elliptic **galaxy**, (2) a **galaxy** of famous actors

The Milky Way **galaxy** has numerous water-bearing planets.

environment

n. the natural world such as air, water, and land in which humans, animals, and plants live

synonym : atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

proton

n. a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms

(1) **proton** decay, (2) **proton** conductivity

The solar wind is composed almost entirely of electrons and **protons**.

electron

n. a tiny particle with the negative electrical charge

synonym : negatron

(1) flow of **electrons**, (2) beam of **electrons**

The outermost **electron** shell determines the chemical properties of an atom.

atom

n. the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

synonym : particle, element, fraction

(1) oxygen **atom**, (2) neutral hydrogen **atoms**

The outermost electron shell of an **atom** determines its chemical characteristics.

loose

adj. not securely fixed or fastened in place or able to be detached or separated from something

synonym : relaxed, unconsolidated, open

(1) a **loose** tongue, (2) remove **loose** hair

The inspector discovered **loose** bolts under the fuel rods.

zip

n. a fastener made of interlocking teeth or ridges that is used to join two edges or pieces of fabric; a sound or motion that resembles the sound made by a zipper when it is pulled; (of a computer) a popular file compression and archiving format; (short for Zone Improvement Plan) a system of postal codes used in the United States to help facilitate mail delivery more efficiently

synonym : fastener, postcode, slide

(1) **zip** code, (2) **zip** file

She put her phone in the **zip** pocket of her backpack.

ambient

adj. relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through

sound or lighting

synonym : atmospheric, surrounding, encompassing

(1) **ambient** temperature, (2) **ambient** air pollution

The **ambient** lighting in the restaurant created a cozy and romantic atmosphere.

fluid

n. a substance that can flow and is not solid

synonym : liquid, aqua, sap

(1) plenty of **fluids**, (2) **fluid** assets

She was diagnosed with a **fluid** buildup in her lungs.

incredible

adj. unbelievable; enormous

synonym : unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed

Her response revealed **incredible** idiocy.

specifically

adv. only associated with or meant for one thing

synonym : especially, particularly, notably

(1) designed **specifically** for men, (2) for **specifically** American customers

This ad campaign is aimed **specifically** at young women.

vicious

adj. having or showing a desire to cause harm to others; having the nature of vice

synonym : malicious, spiteful, malevolent

(1) **vicious** attack, (2) **vicious** deflationary spiral

The **vicious** dog barked and growled at anyone who came near its territory.

tug

v. to pull something quickly and hard, often several times

synonym : draw, jerk, pull

(1) **tug** a rope, (2) **tug** at his hand

This movie **tugs** at everyone's heartstrings.

squeeze

v. to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with

fondness

synonym : compress, crush, clamp

(1) **squeeze** a lemon, (2) **squeeze** a confession

She **squeezed** the toothpaste tube from the middle to get the last bit out.

exert

v. to put forth effort; to put into action; to bring into play

synonym : exert, apply, use

(1) **exert** control, (2) **exert** influence

He **exerted** himself to lift the heavyweight.

forceful

adj. having or showing great strength or energy

synonym : powerful, strong, energetic

(1) **forceful** argument, (2) take **forceful** action

She spoke with a **forceful** tone and made her point clear.

shove

v. to push someone or something in a rough way

synonym : push, jab, elbow

(1) **shove** a person aside, (2) **shove** hamburger into my mouth

He forcibly **shoved** the flyer into my bag.

giant

adj. enormous; much bigger or more important than similar items usually are

synonym : big, gigantic, huge

(1) **giant** trees, (2) **giant** tech company

The **giant** jets gradually dominate the world's airlines.

struggle

v. to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction

synonym : toil, strive, compete

(1) **struggle** against discrimination, (2) **struggle** to get the job

He could not **struggle** against temptation.

heave

v. to lift or hoist something heavy with effort; to throw or hurl something, often with force; to rise or fall with a rhythmic motion, as in the heaving of the sea

synonym : lift, hoist, tug

(1) **heave** a sigh, (2) **heave** a boulder

The workers had to **heave** the heavy equipment up the staircase to the top floor.

massive

adj. enormous amount; very heavy and solid

synonym : enormous, giant, immense

(1) **massive** amounts, (2) **massive** stars

The recent economic downturn has resulted in **massive** layoffs.

acoustic

adj. relating to sound or the sense of hearing

synonym : aural, hearing, acoustical

(1) **acoustic** properties of a hall, (2) **acoustic** guitar

The ground acts as an **acoustic** barrier against outside sounds.

oscillate

v. to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive

synonym : fluctuate, swing, vibrate

(1) **oscillate** back and forth, (2) **oscillate** between joy and anger

The fan in the room **oscillates**, making the airflow more evenly.

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.

imaginable

adj. capable of being imagined

synonym : conceivable, plausible, possible

(1) easily **imaginable**, (2) worst **imaginable** case

This is the only **imaginable** strategy.

roll

v. to move in a particular direction by turning over and over or from side to side

synonym : spin, swirl, wheel

(1) **roll** a ball, (2) **roll** down his cheeks

He was exhausted and **rolled** into bed as soon as he got home.

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.

distribute

v. to give something to a large number of individuals, or to spread or furnish something

synonym : broadcast, disperse, hand out

(1) **distribute** wealth evenly, (2) **distribute** video content

His estate was **distributed** to his sons.

peak

n. the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain

synonym : summit, vertex, apex

(1) at **peak** hour, (2) the **peak** current in the circuit

This measurement aims to reduce traffic at **peak** periods.

trough

n. a long, narrow container used for feeding farm animals; a low point or depression between two ridges or peaks; a prolonged period of low economic or emotional activity

synonym: trough, channel, depression

(1) the **trough** in an economic cycle, (2) **trough-shaped** valley

The farmers filled the feeding **trough** with hay for the livestock.

background

n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

synonym: ground, experience, backdrop

(1) a **background** color, (2) a criminal **background**

The company's hiring criteria emphasize personality, not a person's **background**.

permanent

adj. lasting for a long time without essential change

synonym: lasting, ceaseless, endless

(1) literature of **permanent** value, (2) **permanent** life insurance

She is searching for a **permanent** residence.

brawl

n. a noisy and violent fight involving a group of people; a chaotic and unruly disturbance or conflict

synonym: fight, scuffle, skirmish

(1) barroom **brawl**, (2) street **brawl**

The **brawl** at the nightclub resulted in several injuries and arrests.

stalemate

n. a situation in which neither side of a conflict or dispute can make progress or gain an advantage, typically resulting in a deadlock or impasse

synonym: deadlock, impasse, standstill

(1) political **stalemate**, (2) **stalemate** situation

The negotiations between the two companies reached a **stalemate**, and neither side would compromise.

roughly

adv. approximately but not precisely; with a violent manner
synonym : approximately, more or less, around

(1) **roughly** explain my idea, (2) **roughly** speaking
Five miles is **roughly** similar to eight kilometers.

tide

n. the cyclical rise and fall of sea level caused by the moon's gravitational pull

synonym : ripple, surge, swell

(1) **tide** cycle, (2) ride the **tide** of change

Red **tide** is often harmful to the local ecosystem.

dissipated

adj. dispersed or scattered in different directions; wasted or squandered on excessive or extravagant pleasures such as drinking, partying, or gambling; characterized by a lack of focus or discipline

synonym : debauched, dissolute, decadent

(1) **dissipated** lifestyle, (2) **dissipated** energy

His **dissipated** behavior at the party concerned his friends, who wondered if he had a substance abuse problem.

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.

recombine

v. to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)

(1) **recombine** at the surface, (2) ability to **recombine**

Some scientists argue that the genes in food should not be artificially **recombined**.

reckless

adj. marked by a lack of care about danger and the likely results of your actions

synonym : impetuous, irresponsible, thoughtless

(1) **reckless** driving, (2) in a **reckless** manner
Reckless youth makes rueful age.

ping

v. to make a high-pitched, ringing sound; to send a brief electronic message or signal to another computer or device to check its availability or connection status

synonym: knock, sound, ring

(1) **ping** me when you have arrived, (2) **ping** him with updates

I can **ping** my friend's computer to see if it's online.

stream

n. a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.

synonym: flow, current, brook

(1) the **stream** of time, (2) an endless **stream** of cars

Jet **streams** are the common name for air currents that form high in the atmosphere.

illuminating

adj. making something clear or easy to understand; providing light

synonym: enlightening, informative, clarifying

(1) **illuminating** light, (2) an **illuminating** answer

The lecture was **illuminating** and gave me a new perspective on the topic.

neutral

adj. not helping or assisting either side in a conflict, argument, etc.

synonym: impartial, uninvolved, halfhearted

(1) permanently **neutral** country, (2) **neutral** colors

A legislative speaker should always be **neutral**.

gradual

adj. happening slowly over a long period of time or distance; not steep or abrupt

synonym: incremental, gradational, piecemeal

(1) a **gradual** process, (2) a **gradual** change

The country experienced a **gradual** increase in population.

crow

n. a circular ornamental headdress, worn as a symbol of authority by a king, usually made of gold and precious stones

synonym : tiara, headdress, royalty

(1) the imperial **crow**, (2) the **crow** and throne

The bishop bestowed the golden **crow** on the king.

champion

n. someone who has won first place in a competition; someone who fights for a specific group of people or a belief

synonym : victor, winner, fighter

(1) a **champion** of peace, (2) the grand **champion**

The **champion** bicyclist outrode all his competitors.

undefeated

adj. not having been beaten or conquered; having won every contest or battle

synonym : invincible, unbeaten

(1) **undefeated** record, (2) an **undefeated** team

The football team remained **undefeated** throughout the entire season.

pervasive

adj. spreading or existing throughout every part of a thing or place

synonym : extensive, ubiquitous, prevalent

(1) **pervasive** language, (2) the **pervasive** odor of garlic

Suspicion and worry were **pervasive** in our minds.

rivalry

n. competition or opposition between people or groups, especially in sports or business

synonym : competition, contest, struggle

(1) fierce **rivalry**, (2) **rivalry** among airlines

The **rivalry** between the two teams was intense and heated.

swear

v. to make a solemn promise or vow; to use rude or offensive language

synonym : declare, assert, curse

(1) **swear** an oath, (2) **swear** a blue streak

I **swear** I didn't mean to break your vase.

inward

adj. directed or facing towards the inside; inside or inward-looking

synonym: internal, introspective, interior

(1) **inward** peace, (2) **inward** cargo

The **inward** motion of the tide was gradually slowing down.

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.

stable

adj. firm and steady; not easily moved, disturbed, or changed

synonym: sturdy, unmoving, durable

(1) in **stable** condition, (2) have a **stable** job

Relations between the two countries have been relatively **stable** due to the summit meeting.

clash

n. a fight or argument between two groups of people; a loud noise caused by striking against something

synonym: blow, conflict, disagreement

(1) a **clash** of viewpoints, (2) a **clash** between the two task forces

Her dress was a disturbing **clash** of colors.

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**.

collapse

v. to fall down or give way suddenly, often after breaking apart

synonym: tumble, spill, bankruptcy

(1) the stock market **collapsed**, (2) ready to **collapse**

The roof finally **collapsed** after three days and three nights of heavy snowfall.

warrior

n. a person who engaged in or experienced warfare, especially in the past

synonym: fighter, soldier, combatant

(1) armored **warrior**, (2) **warrior** spirit

The poem depicts the heroics of a legendary **warrior**.

challenger

n. a person or thing that challenges or competes with someone or something else; a contestant in a competition or challenge

synonym: contender, rival, contestant

(1) **challenger** brand, (2) political **challenger**

The **challenger** in the boxing match put up a good fight.

Session 2: Spelling

- | | |
|----------------------------------|--|
| 1. lo___e a tumor | <i>v.</i> to specify or determine the exact position of someone or something |
| 2. the imperial cr__n | <i>n.</i> a circular ornamental headdress, worn as a symbol of authority by a king, usually made of gold and precious stones |
| 3. street br__l | <i>n.</i> a noisy and violent fight involving a group of people; a chaotic and unruly disturbance or conflict |
| 4. sq_____e a lemon | <i>v.</i> to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness |
| 5. beam of el_____ons | <i>n.</i> a tiny particle with the negative electrical charge |
| 6. he__e a boulder | <i>v.</i> to lift or hoist something heavy with effort; to throw or hurl something, often with force; to rise or fall with a rhythmic motion, as in the heaving of the sea |
| 7. the grand ch_____on | <i>n.</i> someone who has won first place in a competition; someone who fights for a specific group of people or a belief |
| 8. e__c battle | <i>n.</i> a long and eventful or heroic history, story, poem, or film; (adjective) very imposing or impressive |
| 9. p__g me when you have arrived | <i>v.</i> to make a high-pitched, ringing sound; to send a brief electronic message or signal to another computer or device to check its availability or connection status |

ANSWERS: 1. locate, 2. crown, 3. brawl, 4. squeeze, 5. electron, 6. heave, 7. champion, 8. epic, 9. ping

10. dis_____ed lifestyle *adj.* dispersed or scattered in different directions; wasted or squandered on excessive or extravagant pleasures such as drinking, partying, or gambling; characterized by a lack of focus or discipline
11. re_____ne at the surface *v.* to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)
12. z_p code *n.* a fastener made of interlocking teeth or ridges that is used to join two edges or pieces of fabric; a sound or motion that resembles the sound made by a zipper when it is pulled; (of a computer) a popular file compression and archiving format; (short for Zone Improvement Plan) a system of postal codes used in the United States to help facilitate mail delivery more efficiently
13. a cl__h between the two task forces *n.* a fight or argument between two groups of people; a loud noise caused by striking against something
14. st_____te situation *n.* a situation in which neither side of a conflict or dispute can make progress or gain an advantage, typically resulting in a deadlock or impasse
15. sh__e hamburger into my mouth *v.* to push someone or something in a rough way

ANSWERS: 10. dissipated, 11. recombine, 12. zip, 13. clash, 14. stalemate, 15. shove

16. ride the t__e of change *n.* the cyclical rise and fall of sea level caused by the moon's gravitational pull
17. z_p file *n.* a fastener made of interlocking teeth or ridges that is used to join two edges or pieces of fabric; a sound or motion that resembles the sound made by a zipper when it is pulled; (of a computer) a popular file compression and archiving format; (short for Zone Improvement Plan) a system of postal codes used in the United States to help facilitate mail delivery more efficiently
18. in a re____ss manner *adj.* marked by a lack of care about danger and the likely results of your actions
19. soo_____be graduates *adj.* used to describe someone or something that will soon become something else or will soon be in a different state or position
20. the tr___h in an economic cycle *n.* a long, narrow container used for feeding farm animals; a low point or depression between two ridges or peaks; a prolonged period of low economic or emotional activity
21. the pe_____ve odor of garlic *adj.* spreading or existing throughout every part of a thing or place
22. in_____te appetite *adj.* unlimited or very great; impossible to measure
23. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 16. tide, 17. zip, 18. reckless, 19. soon-to-be, 20. trough, 21. pervasive, 22. infinite, 23. environment

24. inn_____le stars *adj.* too many to be counted
25. am_____t air pollution *adj.* relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting
26. ro_____y speaking *adv.* approximately but not precisely; with a violent manner
27. sh__e a person aside *v.* to push someone or something in a rough way
28. z__m lens *v.* to move along very quickly; (noun) the act of rising upward into the air
29. ma_____e amounts *adj.* enormous amount; very heavy and solid
30. ac_____ic properties of a hall *adj.* relating to sound or the sense of hearing
31. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
32. fo_____ul argument *adj.* having or showing great strength or energy
33. critical m__s *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
34. in st___e condition *adj.* firm and steady; not easily moved, disturbed, or changed
35. fierce ri_____y *n.* competition or opposition between people or groups, especially in sports or business

ANSWERS: 24. innumerable, 25. ambient, 26. roughly, 27. shove, 28. zoom, 29. massive, 30. acoustic, 31. structure, 32. forceful, 33. mass, 34. stable, 35. rivalry

36. spare co_____nts for cars *n.* one of several parts that combines with others to form something bigger
37. vi_____s deflationary spiral *adj.* having or showing a desire to cause harm to others; having the nature of vice
38. a cl__h of viewpoints *n.* a fight or argument between two groups of people; a loud noise caused by striking against something
39. p__g him with updates *v.* to make a high-pitched, ringing sound; to send a brief electronic message or signal to another computer or device to check its availability or connection status
40. inc_____gly become common *adv.* more and more
41. elliptic ga___y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
42. r__l a ball *v.* to move in a particular direction by turning over and over or from side to side
43. preserve my gr_____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
44. em___e as a butterfly *v.* to move out of or away from something and become visible
45. ou_____d cheerfulness *adj.* relating to the external appearance or surface of something; visible
46. a gr_____l change *adj.* happening slowly over a long period of time or distance; not steep or abrupt

ANSWERS: 36. component, 37. vicious, 38. clash, 39. ping, 40. increasingly, 41. galaxy, 42. roll, 43. gravity, 44. emerge, 45. outward, 46. gradual

47. em___e from poverty *v.* to move out of or away from something and become visible
48. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
49. population de_____y *n.* the quality of compactness of a substance
50. expansion of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
51. ex___d agricultural output *v.* to increase or to make something greater in size, number, or importance
52. in___t food *n.* a baby or very young child
53. theory of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
54. the st___m of time *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
55. at p__k hour *n.* the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain
56. the stock market co_____sed *v.* to fall down or give way suddenly, often after breaking apart
57. barroom br___l *n.* a noisy and violent fight involving a group of people; a chaotic and unruly disturbance or conflict

ANSWERS: 47. emerge, 48. determinant, 49. density, 50. universe, 51. expand, 52. infant, 53. universe, 54. stream, 55. peak, 56. collapse, 57. brawl

58. arm wr_____ng *n.* a sport in which two contestants grapple and try to throw each other to the ground
59. an endless st___m of cars *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
60. st_____le to get the job *v.* to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
61. key co_____nt *n.* one of several parts that combines with others to form something bigger
62. armored wa_____r *n.* a person who engaged in or experienced warfare, especially in the past
63. he__e a sigh *v.* to lift or hoist something heavy with effort; to throw or hurl something, often with force; to rise or fall with a rhythmic motion, as in the heaving of the sea
64. st_____le against discrimination *v.* to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
65. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
66. vi_____s attack *adj.* having or showing a desire to cause harm to others; having the nature of vice
67. neutral hydrogen a__ms *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

ANSWERS: 58. wrestling, 59. stream, 60. struggle, 61. component, 62. warrior, 63. heave, 64. struggle, 65. temperature, 66. vicious, 67. atom

68. designed spe_____lly for men *adv.* only associated with or meant for one thing
69. co_____e my thoughts *v.* to write music, poetry, or formal writing; to constitute or make up a whole, or a specified part of it
70. political cha_____er *n.* a person or thing that challenges or competes with someone or something else; a contestant in a competition or challenge
71. ex____d a lineup *v.* to increase or to make something greater in size, number, or importance
72. in____t daughter *n.* a baby or very young child
73. face inc_____gly complicated challenges *adv.* more and more
74. in____d cargo *adj.* directed or facing towards the inside; inside or inward-looking
75. exposure to ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
76. 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
77. lo____e a missing pet *v.* to specify or determine the exact position of someone or something
78. an ou_____d journey *adj.* relating to the external appearance or surface of something; visible

ANSWERS: 68. specifically, 69. compose, 70. challenger, 71. expand, 72. infant, 73. increasingly, 74. inward, 75. radiation, 76. determinant, 77. locate, 78. outward

79. t__e cycle *n.* the cyclical rise and fall of sea level caused by the moon's gravitational pull
80. oxygen a__m *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
81. easily ima_____le *adj.* capable of being imagined
82. a gr_____l process *adj.* happening slowly over a long period of time or distance; not steep or abrupt
83. dis_____te video content *v.* to give something to a large number of individuals, or to spread or furnish something
84. ability to re_____ne *v.* to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)
85. ma_____e stars *adj.* enormous amount; very heavy and solid
86. 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
87. inc_____le amount *adj.* unbelievable; enormous
88. g__b an opportunity *v.* to take hold of something or someone suddenly with a hand, especially in a violent way
89. t_g at his hand *v.* to pull something quickly and hard, often several times
90. for spe_____lly American customers *adv.* only associated with or meant for one thing

ANSWERS: 79. tide, 80. atom, 81. imaginable, 82. gradual, 83. distribute, 84. recombine, 85. massive, 86. atmosphere, 87. incredible, 88. grab, 89. tug, 90. specifically

91. achieve spe_____ar growth *adj.* striking or impressive to look at or in performance or achievement
92. in_____ct with one another *v.* to communicate or react with somebody
93. pe_____nt life insurance *adj.* lasting for a long time without essential change
94. the attraction of gr_____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
95. a lo__e tongue *adj.* not securely fixed or fastened in place or able to be detached or separated from something
96. pr____n conductivity *n.* a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
97. write him an answer imm_____ly *adv.* now or without delay
98. permanently ne_____l country *adj.* not helping or assisting either side in a conflict, argument, etc.
99. f__k art *n.* people in general, especially those of a particular group or type
100. gi__t tech company *adj.* enormous; much bigger or more important than similar items usually are
101. political equ_____um *n.* a state in which opposing forces or influences are balanced
102. an ill_____ing answer *adj.* making something clear or easy to understand; providing light
103. the cr__n and throne *n.* a circular ornamental headdress, worn as a symbol of authority by a king, usually made of gold and precious stones

ANSWERS: 91. spectacular, 92. interact, 93. permanent, 94. gravity, 95. loose, 96. proton, 97. immediately, 98. neutral, 99. folk, 100. giant, 101. equilibrium, 102. illuminating, 103. crown

104. dis_____ed energy *adj.* dispersed or scattered in different directions; wasted or squandered on excessive or extravagant pleasures such as drinking, partying, or gambling; characterized by a lack of focus or discipline
105. take fo_____ul action *adj.* having or showing great strength or energy
106. equ_____um point *n.* a state in which opposing forces or influences are balanced
107. flow of el_____ons *n.* a tiny particle with the negative electrical charge
108. ro_____y explain my idea *adv.* approximately but not precisely; with a violent manner
109. gi__t trees *adj.* enormous; much bigger or more important than similar items usually are
110. hi_____ic accomplishment *adj.* famous or significant in history, or potentially so
111. sq_____e a confession *v.* to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness
112. pe_____ve language *adj.* spreading or existing throughout every part of a thing or place
113. imm_____ly recall a product *adv.* now or without delay
114. a ga___y of famous actors *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity

ANSWERS: 104. dissipated, 105. forceful, 106. equilibrium, 107. electron, 108. roughly, 109. giant, 110. historic, 111. squeeze, 112. pervasive, 113. immediately, 114. galaxy

115. ba___n resonance *n.* a subatomic particle, such as a proton or neutron, that is composed of three quarks and is responsible for the formation of atomic nuclei
116. ex__t influence *v.* to put forth effort; to put into action; to bring into play
117. championship co_____er *n.* the contestant you hope to defeat
118. sw__r a blue streak *v.* to make a solemn promise or vow; to use rude or offensive language
119. de__e forests *adj.* containing a large number of people or something with little space between them
120. ne_____l colors *adj.* not helping or assisting either side in a conflict, argument, etc.
121. ri___e in the water *n.* a small wave on the surface of a liquid, typically caused by an object falling into it or a slight wind
122. political st_____te *n.* a situation in which neither side of a conflict or dispute can make progress or gain an advantage, typically resulting in a deadlock or impasse
123. co_____e an essay *v.* to write music, poetry, or formal writing; to constitute or make up a whole, or a specified part of it
124. charged pa_____le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
125. give inn_____le interviews *adj.* too many to be counted

ANSWERS: 115. baryon, 116. exert, 117. contender, 118. swear, 119. dense, 120. neutral, 121. ripple, 122. stalemate, 123. compose, 124. particle, 125. innumerable

126. mo___g experience *adj.* causing strong emotions or feelings, especially sadness or sympathy
127. cha_____er brand *n.* a person or thing that challenges or competes with someone or something else; a contestant in a competition or challenge
128. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
129. ba___n number *n.* a subatomic particle, such as a proton or neutron, that is composed of three quarks and is responsible for the formation of atomic nuclei
130. spe_____ar view *adj.* striking or impressive to look at or in performance or achievement
131. und_____ed record *adj.* not having been beaten or conquered; having won every contest or battle
132. dis_____te wealth evenly *v.* to give something to a large number of individuals, or to spread or furnish something
133. b__g a phone down *v.* to hit or cause to hit something in a way that makes a loud noise
134. at inc_____le speed *adj.* unbelievable; enormous
135. fl__d assets *n.* a substance that can flow and is not solid
136. a bac_____nd color *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

ANSWERS: 126. moving, 127. challenger, 128. structure, 129. baryon, 130. spectacular, 131. undefeated, 132. distribute, 133. bang, 134. incredible, 135. fluid, 136. background

137. ready to co____se *v.* to fall down or give way suddenly, often after breaking apart
138. sw__r an oath *v.* to make a solemn promise or vow; to use rude or offensive language
139. os_____te between joy and anger *v.* to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive
140. in____d peace *adj.* directed or facing towards the inside; inside or inward-looking
141. t_g a rope *v.* to pull something quickly and hard, often several times
142. nutrient-de__e foods *adj.* containing a large number of people or something with little space between them
143. achieve the hi_____ic feat *adj.* famous or significant in history, or potentially so
144. am_____t temperature *adj.* relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting
145. remove lo__e hair *adj.* not securely fixed or fastened in place or able to be detached or separated from something
146. a ri___e of laughter *n.* a small wave on the surface of a liquid, typically caused by an object falling into it or a slight wind
147. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 137. collapse, 138. swear, 139. oscillate, 140. inward, 141. tug, 142. dense, 143. historic, 144. ambient, 145. loose, 146. ripple, 147. environment

148. have a st___e job *adj.* firm and steady; not easily moved, disturbed, or changed
149. the f__k songs of a particular district *n.* people in general, especially those of a particular group or type
150. pa_____le energy *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
151. ph___n energy *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
152. ex__t control *v.* to put forth effort; to put into action; to bring into play
153. wr_____ng match *n.* a sport in which two contestants grapple and try to throw each other to the ground
154. ph___n emission *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
155. re_____ss driving *adj.* marked by a lack of care about danger and the likely results of your actions
156. a criminal bac_____nd *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

ANSWERS: 148. stable, 149. folk, 150. particle, 151. photon, 152. exert, 153. wrestling, 154. photon, 155. reckless, 156. background

157. heroic e__c *n.* a long and eventful or heroic history, story, poem, or film; (adjective) very imposing or impressive
158. z__m in on a photo *v.* to move along very quickly; (noun) the act of rising upward into the air
159. literature of pe_____nt value *adj.* lasting for a long time without essential change
160. st_____th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong
161. soo_____be parents *adj.* used to describe someone or something that will soon become something else or will soon be in a different state or position
162. ill_____ing light *adj.* making something clear or easy to understand; providing light
163. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
164. os_____te back and forth *v.* to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive
165. worst ima_____le case *adj.* capable of being imagined
166. g__b an audience *v.* to take hold of something or someone suddenly with a hand, especially in a violent way
167. electromagnetic ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

ANSWERS: 157. epic, 158. zoom, 159. permanent, 160. strength, 161. soon-to-be, 162. illuminating, 163. temperature, 164. oscillate, 165. imaginable, 166. grab, 167. radiation

168. muscular st____th *n.* the quality or state of being physically, or sometimes mentally, strong
169. ac____ic guitar *adj.* relating to sound or the sense of hearing
170. the p__k current in the circuit *n.* the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain
171. plenty of fl__ds *n.* a substance that can flow and is not solid
172. a m__s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
173. mo____g ceremony *adj.* causing strong emotions or feelings, especially sadness or sympathy
174. 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
175. in____te in supply *adj.* unlimited or very great; impossible to measure
176. r__l down his cheeks *v.* to move in a particular direction by turning over and over or from side to side
177. tr____h-shaped valley *n.* a long, narrow container used for feeding farm animals; a low point or depression between two ridges or peaks; a prolonged period of low economic or emotional activity

ANSWERS: 168. strength, 169. acoustic, 170. peak, 171. fluid, 172. mass, 173. moving, 174. atmosphere, 175. infinite, 176. roll, 177. trough

178. wa____r spirit *n.* a person who engaged in or experienced warfare, especially in the past
179. in____ct directly with customers *v.* to communicate or react with somebody
180. presidential co____er *n.* the contestant you hope to defeat
181. higher pixel de____y *n.* the quality of compactness of a substance
182. b__g his fist on a desk *v.* to hit or cause to hit something in a way that makes a loud noise
183. a ch____on of peace *n.* someone who has won first place in a competition; someone who fights for a specific group of people or a belief
184. ri____y among airlines *n.* competition or opposition between people or groups, especially in sports or business
185. pr____n decay *n.* a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
186. an und____ed team *adj.* not having been beaten or conquered; having won every contest or battle

ANSWERS: 178. warrior, 179. interact, 180. contender, 181. density, 182. bang, 183. champion, 184. rivalry, 185. proton, 186. undefeated

Session 3: Fill in the Blanks

1. He forcibly _____ the flyer into my bag.
v. to push someone or something in a rough way
2. This measurement aims to reduce traffic at _____ periods.
n. the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain
3. He tried every possible treatment, including chemotherapy and _____ therapy.
n. the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
4. The lecture was _____ and gave me a new perspective on the topic.
adj. making something clear or easy to understand; providing light
5. Many businesses felt the _____ effect of the economy's decline.
n. a small wave on the surface of a liquid, typically caused by an object falling into it or a slight wind
6. This ad campaign is aimed _____ at young women.
adv. only associated with or meant for one thing
7. Cities around the world set records for highest _____ this summer.
n. the degree of hotness or coldness of a thing or place
8. He _____ back in time to the soccer game.
v. to move along very quickly; (noun) the act of rising upward into the air

ANSWERS: 1. shoved, 2. peak, 3. radiation, 4. illuminating, 5. ripple, 6. specifically, 7. temperatures, 8. zoomed

9. She is searching for a _____ residence.

adj. lasting for a long time without essential change

10. Some scientists argue that the genes in food should not be artificially _____.

v. to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)

11. The fan in the room _____ making the airflow more evenly.

v. to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive

12. She spoke with a _____ tone and made her point clear.

adj. having or showing great strength or energy

13. Health and _____ are, above all, gold.

n. the quality or state of being physically, or sometimes mentally, strong

14. Relations between the two countries have been relatively _____ due to the summit meeting.

adj. firm and steady; not easily moved, disturbed, or changed

15. The recent economic downturn has resulted in _____ layoffs.

adj. enormous amount; very heavy and solid

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

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

ANSWERS: 9. permanent, 10. recombined, 11. oscillates, 12. forceful, 13. strength, 14. stable, 15. massive, 16. moving

17. Shall we _____ a bite to eat?

- v.* to take hold of something or someone suddenly with a hand, especially in a violent way

18. I can _____ my friend's computer to see if it's online.

- v.* to make a high-pitched, ringing sound; to send a brief electronic message or signal to another computer or device to check its availability or connection status

19. Five miles is _____ similar to eight kilometers.

- adv.* approximately but not precisely; with a violent manner

20. He was exhausted and _____ into bed as soon as he got home.

- v.* to move in a particular direction by turning over and over or from side to side

21. Every human is responsible for taking care of the Earth's _____.

- n.* the natural world such as air, water, and land in which humans, animals, and plants live

22. The inspector discovered _____ bolts under the fuel rods.

- adj.* not securely fixed or fastened in place or able to be detached or separated from something

23. Some seaweed was used as _____ medicine in ancient times.

- n.* people in general, especially those of a particular group or type

24. Suspicion and worry were _____ in our minds.

- adj.* spreading or existing throughout every part of a thing or place

ANSWERS: 17. grab, 18. ping, 19. roughly, 20. rolled, 21. environment, 22. loose, 23. folk, 24. pervasive

25. His estate was _____ to his sons.

- v.* to give something to a large number of individuals, or to spread or furnish something

26. We have overcome _____ difficulties since our founding.

- adj.* too many to be counted

27. We were looking at a severe _____ indeed.

- n.* the contestant you hope to defeat

28. Infrared cameras detect _____ in the infrared range of the electromagnetic spectrum.

- n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation

29. The _____ of people who do not own property is politically impotent.

- n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

30. The _____ density in the early universe is believed to have significantly impacted the formation of galaxies.

- n.* a subatomic particle, such as a proton or neutron, that is composed of three quarks and is responsible for the formation of atomic nuclei

31. A legislative speaker should always be _____.

- adj.* not helping or assisting either side in a conflict, argument, etc.

32. This is the only _____ strategy.

- adj.* capable of being imagined

ANSWERS: 25. distributed, 26. innumerable, 27. contender, 28. photons, 29. mass, 30. baryon, 31. neutral, 32. imaginable

33. The roof finally _____ after three days and three nights of heavy snowfall.
v. to fall down or give way suddenly, often after breaking apart
34. The robot can accurately _____ construction material.
v. to specify or determine the exact position of someone or something
35. The bishop bestowed the golden _____ on the king.
n. a circular ornamental headdress, worn as a symbol of authority by a king, usually made of gold and precious stones
36. The organizational _____ of start-ups is often flat and straightforward.
n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
37. Her dress was a disturbing _____ of colors.
n. a fight or argument between two groups of people; a loud noise caused by striking against something
38. The workers had to _____ the heavy equipment up the staircase to the top floor.
v. to lift or hoist something heavy with effort; to throw or hurl something, often with force; to rise or fall with a rhythmic motion, as in the heaving of the sea
39. I _____ I didn't mean to break your vase.
v. to make a solemn promise or vow; to use rude or offensive language
40. The _____ jets gradually dominate the world's airlines.
adj. enormous; much bigger or more important than similar items usually are
41. She _____ the toothpaste tube from the middle to get the last bit out.
v. to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness

ANSWERS: 33. collapsed, 34. locate, 35. crown, 36. structure, 37. clash, 38. heave, 39. swear, 40. giant, 41. squeezed

42. Her response revealed _____ idiocy.

adj. unbelievable; enormous

43. The structure is _____ of three main components.

v. to write music, poetry, or formal writing; to constitute or make up a whole, or a specified part of it

44. The battle had an _____ impact on the nation.

adj. unlimited or very great; impossible to measure

45. She was diagnosed with a _____ buildup in her lungs.

n. a substance that can flow and is not solid

46. The Milky Way _____ has numerous water-bearing planets.

n. an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity

47. The outermost electron shell of an _____ determines its chemical characteristics.

n. the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

48. Do you know the _____ of the population in Hong Kong?

n. the quality of compactness of a substance

49. Our company found it _____ difficult to keep up with the competition.

adv. more and more

50. This movie _____ at everyone's heartstrings.

v. to pull something quickly and hard, often several times

ANSWERS: 42. incredible, 43. composed, 44. infinite, 45. fluid, 46. galaxy, 47. atom, 48. density, 49. increasingly, 50. tugs

51. The company struggled to maintain an _____ between its profits and social responsibilities.
n. a state in which opposing forces or influences are balanced
52. The astronaut felt weightless in space due to the absence of _____.
n. the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
53. The _____ dog barked and growled at anyone who came near its territory.
adj. having or showing a desire to cause harm to others; having the nature of vice
54. They hope to _____ their business worldwide.
v. to increase or to make something greater in size, number, or importance
55. The outermost _____ shell determines the chemical properties of an atom.
n. a tiny particle with the negative electrical charge
56. 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
57. The _____ is about 13.8 billion years old.
n. everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
58. _____ youth makes rueful age.
adj. marked by a lack of care about danger and the likely results of your actions
59. The solar wind is composed almost entirely of electrons and _____.
n. a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms

ANSWERS: 51. equilibrium, 52. gravity, 53. vicious, 54. expand, 55. electron, 56. outward, 57. universe, 58. Reckless, 59. protons

60. The negotiations between the two companies reached a _____ and neither side would compromise.
- n.* a situation in which neither side of a conflict or dispute can make progress or gain an advantage, typically resulting in a deadlock or impasse
61. The _____ fireworks display was the highlight of the festival.
- adj.* striking or impressive to look at or in performance or achievement
62. He had always been interested in sumo _____ and decided to try it.
- n.* a sport in which two contestants grapple and try to throw each other to the ground
63. He should _____ more with his colleagues.
- v.* to communicate or react with somebody
64. Red _____ is often harmful to the local ecosystem.
- n.* the cyclical rise and fall of sea level caused by the moon's gravitational pull
65. The Chinese people have accomplished several _____ feats.
- adj.* famous or significant in history, or potentially so
66. Jet _____ are the common name for air currents that form high in the atmosphere.
- n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
67. The football team remained _____ throughout the entire season.
- adj.* not having been beaten or conquered; having won every contest or battle

ANSWERS: 60. stalemate, 61. spectacular, 62. wrestling, 63. interact, 64. tide, 65. historic, 66. streams, 67. undefeated

68. She put her phone in the ____ pocket of her backpack.

- n.* a fastener made of interlocking teeth or ridges that is used to join two edges or pieces of fabric; a sound or motion that resembles the sound made by a zipper when it is pulled; (of a computer) a popular file compression and archiving format; (short for Zone Improvement Plan) a system of postal codes used in the United States to help facilitate mail delivery more efficiently

69. The _____ at the nightclub resulted in several injuries and arrests.

- n.* a noisy and violent fight involving a group of people; a chaotic and unruly disturbance or conflict

70. 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

71. The _____ bride was busy planning all the details of her upcoming wedding.

- adj.* used to describe someone or something that will soon become something else or will soon be in a different state or position

72. A suspension order from the court is effective _____.

- adv.* now or without delay

73. 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

74. The farmers filled the feeding _____ with hay for the livestock.

- n.* a long, narrow container used for feeding farm animals; a low point or depression between two ridges or peaks; a prolonged period of low economic or emotional activity

ANSWERS: 68. zip, 69. brawl, 70. atmosphere, 71. soon-to-be, 72. immediately, 73. determinant, 74. trough

75. The military _____ between the two armies was one for the history books.
n. a long and eventful or heroic history, story, poem, or film; (adjective) very imposing or impressive
76. The ground acts as an _____ barrier against outside sounds.
adj. relating to sound or the sense of hearing
77. Mozart was an _____ prodigy.
n. a baby or very young child
78. The researchers try to discover a common _____ in all types of successful organizations.
n. one of several parts that combines with others to form something bigger
79. The company's hiring criteria emphasize personality, not a person's _____.
n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
80. His _____ behavior at the party concerned his friends, who wondered if he had a substance abuse problem.
adj. dispersed or scattered in different directions; wasted or squandered on excessive or extravagant pleasures such as drinking, partying, or gambling; characterized by a lack of focus or discipline
81. During colonial eras, new migratory patterns _____.
v. to move out of or away from something and become visible
82. We can calculate the position of the _____ statistically.
n. a small piece of something; a word or piece of a term with grammatical function but little or no significance

ANSWERS: 75. epic, 76. acoustic, 77. infant, 78. component, 79. background, 80. dissipated, 81. emerged, 82. particles

83. The country experienced a _____ increase in population.

adj. happening slowly over a long period of time or distance; not steep or abrupt

84. The entire mountain is covered in _____ rainforest.

adj. containing a large number of people or something with little space between them

85. The _____ bicyclist outrode all his competitors.

n. someone who has won first place in a competition; someone who fights for a specific group of people or a belief

86. My father tried to _____ mathematics into my head since childhood.

v. to hit or cause to hit something in a way that makes a loud noise

87. The _____ motion of the tide was gradually slowing down.

adj. directed or facing towards the inside; inside or inward-looking

88. The _____ in the boxing match put up a good fight.

n. a person or thing that challenges or competes with someone or something else; a contestant in a competition or challenge

89. He could not _____ against temptation.

v. to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction

90. He _____ himself to lift the heavyweight.

v. to put forth effort; to put into action; to bring into play

91. The poem depicts the heroics of a legendary _____.

n. a person who engaged in or experienced warfare, especially in the past

ANSWERS: 83. gradual, 84. dense, 85. champion, 86. bang, 87. inward, 88. challenger, 89. struggle, 90. exerted, 91. warrior

92. The _____ lighting in the restaurant created a cozy and romantic atmosphere.

adj. relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting

93. The _____ between the two teams was intense and heated.

n. competition or opposition between people or groups, especially in sports or business

ANSWERS: 92. ambient, 93. rivalry