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Vocabulary Builder Reference from...

John Lloyd: An animated tour of the invisible | TED Talk

https://www.ted.com/talks/john_lloyd_an_animated_tour_of_the_invisible

All Words

IMPORTANT

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Session 1: Word List

circus

n. a traveling show or entertainment that often features acrobats, clowns, animals, and other performers; a chaotic, confusing, or tumultuous situation or environment

synonym : fair, carnival, spectacle

(1) **circus** performer, (2) **circus** tent

The kids were excited to go to the **circus** and see the clowns and animals perform.

carnival

n. a public enjoyment and celebration, usually held in the street, featuring music, dancing, and various forms of entertainment

synonym : fair, festival, celebration

(1) **carnival** parade, (2) **carnival** atmosphere

The traveling **carnival** is coming to our town next week.

inventory

n. a complete list of all the items or goods held in stock by a business or organization; the act of making such a list

synonym : stock, supplies, goods

(1) **inventory** control, (2) annual **inventory**

The store manager took **inventory** of the products on the shelves to know what needed restocking.

invisible

adj. impossible or nearly impossible to see

synonym : hidden, imperceptible, unseen

(1) an **invisible** asset, (2) **invisible** stars

The phenomenon is **invisible** at optical wavelengths.

elicit

v. to obtain information or a reaction from someone, usually with difficulty

synonym : bring out, obtain, evoke

(1) **elicit** a confession, (2) **elicit** a solution

Have you **elicited** a response from them yet?

planet

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

synonym : earth, world, globe

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

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

engine

n. a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

synonym : motor, locomotive, driver

(1) a steam **engine**, (2) an air-cooled **engine**

The policies he announces can be the **engine** of economic growth in the country.

tick

n. a light, sharp, repetitive sound or action; a mark indicating that something is correct or has been done; any of two families of small parasitic arachnids with barbed proboscis

synonym : sound, noise, beat

(1) **tick** of the clock, (2) **tick** fever

I always put a **tick** mark next to the items on my grocery list after buying them.

difficulty

n. a condition or state that causes problems

synonym : hardship, complication, problem

(1) the degree of **difficulty**, (2) **difficulty** in breathing
He has **difficulty** exercising because of a back injury sustained in an accident.

disappear

v. to cease to exist or be visible

synonym: fade, evaporate, vanish

(1) **disappear** without a trace, (2) **disappear** after a week
They watched the train **disappear** into the distance.

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.

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.

fuzzy

adj. having a soft and indistinct outline or covered with fine, soft, and hairlike fibers

synonym: hazy, blurry, indistinct

(1) **fuzzy** logic, (2) **fuzzy** memory

The picture was **fuzzy** because it was taken with an old camera.

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**.

fundamental

adj. forming an essential base or core from which everything else develops or is affected

synonym: basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights

Human behavior has **fundamental** characteristics.

Newtonian

adj. relating to Sir Isaac Newton or his laws of motion and universal gravitation

synonym: classical, physics, mechanics

(1) **Newtonian** physics, (2) **Newtonian** mechanics

The motion of planets can be described using **Newtonian** mechanics.

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.

lever

n. a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily

synonym: lifter, crowbar, bar

(1) a gear change **lever**, (2) **lever** for reform

This initiative will be a **lever** for increasing company sales.

conscious

adj. being aware of and able to respond to what is happening around you

synonym: aware, cognizant, deliberate

(1) **conscious** effort, (2) **conscious** of having succeeded

He became **conscious** that he was being followed.

amazing

adj. extremely surprising, especially in a way that you like or admire

synonym : exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling
The golfer recorded an **amazing** distance.

incredible

adj. unbelievable; enormous

synonym : unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed
Her response revealed **incredible** idiocy.

astonishing

adj. surprising or shocking; difficult to believe

synonym : surprising, shocking, astounding

(1) **astonishing** achievement, (2) make **astonishing** gains
The news of her sudden death was **astonishing** to everyone who knew her.

faith

n. complete trust in something or someone's ability or knowledge; a strong belief in religion, divine power, etc.

synonym : belief, trust, confidence

(1) religious **faith**, (2) **faith** in government
He kept his robust **faith** in his company.

religion

n. a deep conviction in a supernatural power that controls human destiny

synonym : faith, creed, belief

(1) **religion** sociology, (2) freedom of **religion**
Their **religion** strictly prohibits them from drinking or gambling.

claim

v. to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true

synonym : assert, declare, maintain

(1) **claim** responsibility, (2) false **claim**
He wants to **claim** ownership of the abandoned property.

telepathy

n. the supposed ability to communicate directly with someone else's mind without the need for words or physical gestures; the transfer of thoughts or emotions from one person to another by means other than the physical senses

synonym: mind-reading, esp, thought transference

(1) **telepathy** test, (2) **telepathy** experiment

The comic book hero had a **telepathy** power, which allowed him to read and control minds, making him a formidable foe

intelligence

n. the ability to learn, comprehend, or make judgments or conclusions based on reasons

synonym: brains, brightness, cleverness

(1) an **intelligence** test, (2) field of artificial **intelligence**

In terms of **intelligence**, he was head and shoulders above his classmates.

nowhere

adv. not in, at, or to any place; not anywhere

(1) **nowhere** else to go, (2) come out of **nowhere**

I've been thinking all day and getting **nowhere**.

physics

n. the science of matter and energy and their interactions

(1) nuclear **physics**, (2) laws of **physics**

He studied the **physics** of radiation.

eternal

adj. being without beginning or end; lasting forever

synonym: endless, everlasting, undying

(1) the hope of **eternal** life, (2) **eternal** quarreling

In every civilization, rulers have tried everything possible to obtain **eternal** life.

omnipresent

adj. present everywhere at the same time; ubiquitous; pervading or encompassing all things or places

synonym: ubiquitous, pervasive, everywhere

(1) **omnipresent** influence, (2) **omnipresent** threat

The internet has made information access **omnipresent**.

agnostic

n. a person who believes that it is impossible to know whether there is a god

synonym: skeptic, doubter, unbeliever

(1) **agnostic** world-view, (2) **agnostic** position

Her scientific background led her to be **agnostic** about the existence of a higher power.

refuse

v. to show that one is not willing to do or accept something

synonym: turn down, deny, decline

(1) **refuse** a request, (2) **refuse** the company

My initial reaction was to **refuse**.

prop

n. a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something

synonym: support, buttress, column

(1) emotional **prop**, (2) **prop** stick

We have finally lost our last **prop**.

define

v. to state or explain precisely the nature, scope, or meaning of something

synonym: characterize, depict, express

(1) **define** a word, (2) **define** my position

To advance this discussion, we must **define** "success" rigorously.

genome

n. the complete set or sequence of genes of a human, animal, plant, or other living things

(1) sequencing of the human **genome**, (2) **genome** analyses

The human **genome** contains approximately three billion chemical base pairs.

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.

peculiar

adj. odd and uncommon, sometimes in an unpleasant way

synonym: bizarre, abnormal, odd

(1) **peculiar** way, (2) **peculiar** people

The juice has a **peculiar** taste.

delve

v. to dig or excavate deeply; to investigate or research intensively; to rummage or explore in a thorough or careful manner

synonym: dig, excavate, uncover

(1) **delve** deeper, (2) **delve** into documents

Researchers must **delve** into the intricacies of the human brain to understand mental illness.

rev

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

synonym: revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

downward

adj. moving towards a lower position or a lower level

synonym: lower, earthward, descending

(1) a **downward** slope, (2) maintain **downward** compatibility

The stock market has been in a **downward** trend for the past month.

extraordinary

adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual

synonym: exceptional, noteworthy, astonishing

(1) **extraordinary** ability, (2) **extraordinary** weather
He narrated the **extraordinary** story of his adventure.

chromosome

n. a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like

synonym: DNA

(1) a sex **chromosome**, (2) the end of **chromosome**
Human females normally have two X **chromosomes**.

gorilla

n. a large, powerful, and intelligent primate found in the forests of central Africa, with coarse black or brown fur and a distinctive face

synonym: ape, chimpanzee, orangutan

(1) **gorilla** habitat, (2) endangered **gorilla**
The **gorilla** at the zoo impressed visitors with its size and strength.

fascinating

adj. extremely interesting

synonym: alluring, intriguing, captivating

(1) **fascinating** story, (2) completely **fascinating** to me
The museum houses a **fascinating** collection of Celtic artifacts.

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.

movement

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

synonym: motion, progression, action

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

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

modern

adj. of or belonging to the present time or recent times

synonym: contemporary, stylish, current

(1) **modern** poetry, (2) pre-**modern** agricultural society
Their headquarters are in a **modern** skyscraper.

decide

v. to make up someone's mind about something; to come to a conclusion or judgment after considering options

synonym: choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action
She couldn't **decide** whether to order the pizza or the pasta for dinner.

inconvenient

adj. causing trouble or difficulty; not convenient or suitable

synonym: troublesome, difficult, awkward

(1) face an **inconvenient** truth, (2) **inconvenient** for shopping

It was **inconvenient** for her to go out of her way to pick up the package.

obvious

adj. easy to see, discover or understand

synonym: apparent, conspicuous, evident

(1) **obvious** reasons, (2) his conclusion was **obvious**

There are **obvious** differences between the two wine-producing regions.

psychology

n. the scientific study of mind and behavior

(1) **psychology** experiment, (2) **psychology** of crowd

She had a master's degree in **psychology**.

grid

n. a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region

synonym: gridiron, battery grid, power system

(1) a **grid** design, (2) a wire **grid**

Grid pattern roads often appear in urban areas.

continually

adv. in a way that happens without interruption or repeatedly

synonym: repeatedly, frequently, constantly

(1) **continually** access information, (2) **continually** changing world

Her tongue runs on **continually**.

renew

v. to begin or resume something again after an interruption

synonym: renovate, restore, revitalize

(1) **renew** a contract, (2) **renew** its corporate image

I have to **renew** my passport by the middle of September.

flake

n. a small, thin piece or layer of something, often with a flat or irregular shape; a person who is unreliable or inconsistent

synonym: chip, bit, shred

(1) **flakes** of snow, (2) **flake** graphite

She found a paint **flake** on the wall and realized it was time to repaint the room.

nail

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

synonym: pin, tack, fastener

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

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

replace

v. to take the place of something

synonym: substitute, supersede, displace

(1) **replace** one word with another, (2) **replace** a phone

Eventually, the new design will **replace** all older models.

- bud** *n.* a small swelling on a plant stem or twig containing an undeveloped shoot
synonym : shoot, sprout, germ
(1) pinch off a **bud**, (2) **bud** grafting
The flower was starting to show its **bud** and would soon bloom into a beautiful blossom.
- liver** *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
(1) **liver** disease, (2) fatty **liver**
The patient will undergo **liver** transplant surgery tomorrow.
- internal** *adj.* of or relating to the inside of something
synonym : interior, inner, domestic
(1) **internal** organs, (2) the **internal** economy
The prime minister canceled visits to other countries to resolve **internal** disputes.
- spine** *n.* the series of bones running down the center of the back that protect the spinal cord and support the body; the backbone or vertebral column
synonym : backbone, vertebra, column
(1) the **spine** of a book, (2) a cervical **spine** injury
She has a minor curved **spine** due to desk work for many years.
- wavelength** *n.* the distance between two points in the same phase in consecutive cycles of a wave
(1) **wavelength** of light, (2) long- **wavelength** laser
White color is made up of many different **wavelengths** of light.
- mention** *v.* to speak or write about something or someone briefly
synonym : reference, allude, cite
(1) **mention** name, (2) **mention** in a report

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

invention

n. the creation of a new device or process resulting from study and experimentation; the act of inventing

synonym: creation, design, innovation

(1) the **invention** of new techniques, (2) common **invention**
Necessity is the mother of **invention**.

chemistry

n. the branch of the natural sciences dealing with the composition of substances and their properties and reactions

(1) professor of **chemistry**, (2) the **chemistry** of soil
He is familiar with **chemistry** and biology.

individual

n. a single person or thing, as distinct from a group

synonym: person, being, self

(1) a private **individual**, (2) **individual** freedom

As an **individual**, he had the right to make his own decisions and live his life as he saw fit.

quitter

n. a person who gives up easily or does not have the determination to finish what they have started

synonym: coward, deserter, surrender

(1) easy **quitter**, (2) serial **quitter**

He was labeled as a **quitter** after he abandoned the project halfway.

astral

adj. relating to the stars or celestial bodies; of or like the stars; pertaining to or associated with spiritual or mystical realms or experiences;

synonym: celestial, ethereal, luminous

(1) **astral** projection, (2) **astral** plane

The night sky was full of twinkling **astral** bodies.

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.

unfortunately

adv. by bad luck; unluckily

synonym : regrettably, unluckily, alas

(1) **unfortunately** caught in a shower, (2) even more **unfortunately**

The treatments were done but, **unfortunately**, were unsuccessful.

vacuum

n. a space empty of matter; a device or tool used for cleaning or removing debris by creating suction

synonym : void, emptiness, gap

(1) **vacuum** cleaner, (2) **vacuum** packing

Please use the **vacuum** to clean up the mess on the floor.

beam

n. a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source

synonym : ray, ray of light, shaft of light

(1) **beam** of light, (2) a structural **beam** of a building

The sun's **beam** shone through the window and illuminated the room.

straight

adj. extending or moving in one direction without bending or curving; having no deviations

synonym : linear, honest, consecutive

(1) a **straight** line, (2) **straight** for two months

He was sick for five **straight** days.

slightly

adv. in a small degree or extent; a little

synonym : barely, narrowly, scarcely

(1) increase **slightly**, (2) **slightly** alkaline soils

He moved his body **slightly** to the left.

physicist

n. a scientist who specializes in the field of physics

(1) talented **physicist**, (2) theoretical **physicist**

Einstein was an outstanding and famous **physicist** of the 20th century.

disagree

v. to have or express a different opinion, idea, etc.

synonym: discord, oppose, dissent

(1) **disagree** about a particular issue, (2) **disagree** with a plan

I **disagree** for reasons already stated above.

odd

adj. strange or unexpected; not divisible by two

synonym: strange, bizarre, abnormal

(1) in an **odd** way, (2) **odd** behavior

His grandfather was an **odd** man.

electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

synonym: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

instantaneous

adj. occurring or happening immediately or without delay; taking place in an instant or moment

synonym: immediate, prompt, rapid

(1) **instantaneous** reaction, (2) **instantaneous** message

The new software provides **instantaneous** results, making it much more efficient than the previous version.

bumble

v. to move or act clumsily or awkwardly; to speak or behave in an inept or confused manner

synonym:

stumble, fumble, blunder

(1) **bumble** his way into a high-paying job, (2) **bumble** through his speeches

She tends to **bumble** through her work, making careless errors along the way.

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.

estimate

v. to guess or calculate the cost, size, value, etc. of something

synonym : calculate, gauge, evaluate

(1) **estimate** a fair value, (2) **estimate** this chicken to weigh three pounds

We **estimated** the season's total trade deficit at \$50 billion.

eyesight

n. the ability to see; visual acuity or sharpness

synonym : vision, sight, eyes

(1) impaired **eyesight**, (2) acute **eyesight**

His excellent **eyesight** allowed him to spot the bird in the dense foliage.

hertz

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

synonym : frequency, cycles per second

(1) audio **hertz**, (2) tera- **hertz** radiation

The human ear can detect sounds with frequencies ranging from 20 to 20,000 **hertz**.

discovery

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

synonym :

finding, uncovering, detection

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

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

radiate

v. to spread out or emit something, such as light or heat, in all directions

synonym: give off, scatter, beam

(1) **radiate** an aura, (2) **radiate** in all directions

Roads **radiate** from the famous building in the center of the city.

conclude

v. to come to an end or close; to reach a judgment or opinion by reasoning

synonym: complete, finish, decide

(1) **conclude** a meeting, (2) **conclude** that he is healthy

We **concluded** a cease-fire.

philosophy

n. the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

synonym: doctrine, attitude, creed

(1) **philosophy** of education, (2) western **philosophy**

Ethics is a branch of **philosophy**.

mathematics

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

synonym: arithmetic, calculation, calculus

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

He has a flair for **mathematics**.

engineer

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

synonym: architect, creator, builder

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

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

poet

n. a person who writes poetry

synonym: versifier, rhymer, writer

(1) a court **poet**, (2) a **poet** of sorts

She is a talented **poet** who has been recognized for her work.

cheerful

adj. happy and positive; causing feelings of happiness or optimism; marked by or expressing joy or optimism

synonym: happy, joyful, lively

(1) **cheerful** smile, (2) a **cheerful** disposition

Her **cheerful** personality brightened up the room.

bastardize

v. to alter, modify, or degrade something in a way that undermines or violates its original integrity or quality; to create a less authentic or less desirable version of something

synonym: corrupt, debase, pervert

(1) **bastardize** a recipe, (2) **bastardize** culture

We do not want to **bastardize** the text's original meaning through poor translations.

souvenir

n. an object, often a small item, that is kept as a reminder or memento of a person, place, or event; a keepsake

synonym: memento, keepsake, token

(1) city **souvenir**, (2) **souvenir** shop

I bought my sister a miniature Eiffel Tower **souvenir** when I visited Paris.

Session 2: Spelling

1. bas_____ze culture *v.* to alter, modify, or degrade something in a way that undermines or violates its original integrity or quality; to create a less authentic or less desirable version of something
2. talented ph_____st *n.* a scientist who specializes in the field of physics
3. a steam en____e *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
4. beam of el_____ons *n.* a tiny particle with the negative electrical charge
5. ag____ic position *n.* a person who believes that it is impossible to know whether there is a god
6. common in_____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
7. 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
8. rusty n__l *n.* a thin, pointed piece of metal with a flat head used for fastening things together; the thin hard layer covering and protecting the outer tip of the fingers or toes

ANSWERS: 1. bastardize, 2. physicist, 3. engine, 4. electron, 5. agnostic, 6. invention, 7. gravity, 8. nail

9. pe____ar way *adj.* odd and uncommon, sometimes in an unpleasant way
10. re____on sociology *n.* a deep conviction in a supernatural power that controls human destiny
11. mo____n poetry *adj.* of or belonging to the present time or recent times
12. Ne____an physics *adj.* relating to Sir Isaac Newton or his laws of motion and universal gravitation
13. st____ht for two months *adj.* extending or moving in one direction without bending or curving; having no deviations
14. a st____ht line *adj.* extending or moving in one direction without bending or curving; having no deviations
15. r_v up the crowd *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
16. ins____ous reaction *adj.* occurring or happening immediately or without delay; taking place in an instant or moment
17. de___e my position *v.* to state or explain precisely the nature, scope, or meaning of something
18. fu__y logic *adj.* having a soft and indistinct outline or covered with fine, soft, and hairlike fibers
19. b_d grafting *n.* a small swelling on a plant stem or twig containing an undeveloped shoot

ANSWERS: 9. peculiar, 10. religion, 11. modern, 12. Newtonian, 13. straight, 14. straight, 15. rev, 16. instantaneous, 17. define, 18. fuzzy, 19. bud

20. inc_____gly become common *adv.* more and more
21. Ne_____an mechanics *adj.* relating to Sir Isaac Newton or his laws of motion and universal gravitation
22. unf_____ely caught in a shower *adv.* by bad luck; unluckily
23. designed spe_____lly for men *adv.* only associated with or meant for one thing
24. go_____a habitat *n.* a large, powerful, and intelligent primate found in the forests of central Africa, with coarse black or brown fur and a distinctive face
25. no_____e else to go *adv.* not in, at, or to any place; not anywhere
26. di_____ee about a particular issue *v.* to have or express a different opinion, idea, etc.
27. a p__t of sorts *n.* a person who writes poetry
28. pre-mo____n agricultural society *adj.* of or belonging to the present time or recent times
29. acute ey_____ht *n.* the ability to see; visual acuity or sharpness
30. omn_____nt influence *adj.* present everywhere at the same time; ubiquitous; pervading or encompassing all things or places
31. ca_____al parade *n.* a public enjoyment and celebration, usually held in the street, featuring music, dancing, and various forms of entertainment
32. as____l plane *adj.* relating to the stars or celestial bodies; of or like the stars; pertaining to or associated with spiritual or mystical realms or experiences;

ANSWERS: 20. increasingly, 21. Newtonian, 22. unfortunately, 23. specifically, 24. gorilla, 25. nowhere, 26. disagree, 27. poet, 28. modern, 29. eyesight, 30. omnipresent, 31. carnival, 32. astral

33. sequencing of the human ge___e *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
34. as___l projection *adj.* relating to the stars or celestial bodies; of or like the stars; pertaining to or associated with spiritual or mystical realms or experiences;
35. de__e into documents *v.* to dig or excavate deeply; to investigate or research intensively; to rummage or explore in a thorough or careful manner
36. inc_____ent for shopping *adj.* causing trouble or difficulty; not convenient or suitable
37. t__k fever *n.* a light, sharp, repetitive sound or action; a mark indicating that something is correct or has been done; any of two families of small parasitic arachnids with barbed proboscis
38. co_____us of having succeeded *adj.* being aware of and able to respond to what is happening around you
39. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
40. bas_____ze a recipe *v.* to alter, modify, or degrade something in a way that undermines or violates its original integrity or quality; to create a less authentic or less desirable version of something
41. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 33. genome, 34. astral, 35. delve, 36. inconvenient, 37. tick, 38. conscious, 39. fundamental, 40. bastardize, 41. discovery

42. even more unf_____ely *adv.* by bad luck; unluckily
43. de__e deeper *v.* to dig or excavate deeply; to investigate or research intensively; to rummage or explore in a thorough or careful manner
44. at inc_____le speed *adj.* unbelievable; enormous
45. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
46. 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
47. field of artificial int_____nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
48. a private ind_____al *n.* a single person or thing, as distinct from a group
49. a wire g__d *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
50. psy_____gy of crowd *n.* the scientific study of mind and behavior
51. save the pl___t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
52. fl__e graphite *n.* a small, thin piece or layer of something, often with a flat or irregular shape; a person who is unreliable or inconsistent

ANSWERS: 42. unfortunately, 43. delve, 44. incredible, 45. amazing, 46. radiation, 47. intelligence, 48. individual, 49. grid, 50. psychology, 51. planet, 52. flake

53. a scientific di_____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
54. an int_____nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
55. endangered go_____a *n.* a large, powerful, and intelligent primate found in the forests of central Africa, with coarse black or brown fur and a distinctive face
56. re__w a contract *v.* to begin or resume something again after an interruption
57. professor of ch_____ry *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
58. the end of chr_____me *n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like
59. de___e a word *v.* to state or explain precisely the nature, scope, or meaning of something
60. the hope of et_____l life *adj.* being without beginning or end; lasting forever
61. ind_____al freedom *n.* a single person or thing, as distinct from a group
62. 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

ANSWERS: 53. discovery, 54. intelligence, 55. gorilla, 56. renew, 57. chemistry, 58. chromosome, 59. define, 60. eternal, 61. individual, 62. radiation

63. a gear change le__r *n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
64. fas_____ng story *adj.* extremely interesting
65. t__k of the clock *n.* a light, sharp, repetitive sound or action; a mark indicating that something is correct or has been done; any of two families of small parasitic arachnids with barbed proboscis
66. the sp__e of a book *n.* the series of bones running down the center of the back that protect the spinal cord and support the body; the backbone or vertebral column
67. the ch_____ry of soil *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
68. ci___s tent *n.* a traveling show or entertainment that often features acrobats, clowns, animals, and other performers; a chaotic, confusing, or tumultuous situation or environment
69. so_____ir shop *n.* an object, often a small item, that is kept as a reminder or memento of a person, place, or event; a keepsake
70. western phi_____hy *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

ANSWERS: 63. lever, 64. fascinating, 65. tick, 66. spine, 67. chemistry, 68. circus, 69. souvenir, 70. philosophy

71. long-wav_____th laser *n.* the distance between two points in the same phase in consecutive cycles of a wave
72. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
73. di_____ar without a trace *v.* to cease to exist or be visible
74. 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
75. ins_____ous message *adj.* occurring or happening immediately or without delay; taking place in an instant or moment
76. te_____hy experiment *n.* the supposed ability to communicate directly with someone else's mind without the need for words or physical gestures; the transfer of thoughts or emotions from one person to another by means other than the physical senses
77. in_____al organs *adj.* of or relating to the inside of something
78. for spe_____lly American customers *adv.* only associated with or meant for one thing
79. audio he__z *n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals
80. re_____e one word with another *v.* to take the place of something

ANSWERS: 71. wavelength, 72. invention, 73. disappear, 74. structure, 75. instantaneous, 76. telepathy, 77. internal, 78. specifically, 79. hertz, 80. replace

81. o_d behavior *adj.* strange or unexpected; not divisible by two
82. re____e a phone *v.* to take the place of something
83. a court p__t *n.* a person who writes poetry
84. pinch off a b_d *n.* a small swelling on a plant stem or twig containing an undeveloped shoot
85. ext_____ary ability *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
86. di_____ee with a plan *v.* to have or express a different opinion, idea, etc.
87. emotional p__p *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
88. co_____de that he is healthy *v.* to come to an end or close; to reach a judgment or opinion by reasoning
89. ci___s performer *n.* a traveling show or entertainment that often features acrobats, clowns, animals, and other performers; a chaotic, confusing, or tumultuous situation or environment
90. me_____n in a report *v.* to speak or write about something or someone briefly
91. ext_____ary weather *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
92. serial qu_____r *n.* a person who gives up easily or does not have the determination to finish what they have started

ANSWERS: 81. odd, 82. replace, 83. poet, 84. bud, 85. extraordinary, 86. disagree, 87. prop, 88. conclude, 89. circus, 90. mention, 91. extraordinary, 92. quitter

93. a sex chr_____me *n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like
94. cl__m responsibility *v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
95. 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
96. psy_____gy experiment *n.* the scientific study of mind and behavior
97. 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
98. his conclusion was ob_____s *adj.* easy to see, discover or understand
99. fu__y memory *adj.* having a soft and indistinct outline or covered with fine, soft, and hairlike fibers
100. an in_____le asset *adj.* impossible or nearly impossible to see
101. mat_____cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
102. p__p stick *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something

ANSWERS: 93. chromosome, 94. claim, 95. universe, 96. psychology, 97. structure, 98. obvious, 99. fuzzy, 100. invisible, 101. mathematics, 102. prop

103. false cl__m *v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
104. el_____fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
105. wav_____th of light *n.* the distance between two points in the same phase in consecutive cycles of a wave
106. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
107. freedom of re_____on *n.* a deep conviction in a supernatural power that controls human destiny
108. maintain do_____rd compatibility *adj.* moving towards a lower position or a lower level
109. n__l clipper *n.* a thin, pointed piece of metal with a flat head used for fastening things together; the thin hard layer covering and protecting the outer tip of the fingers or toes
110. le__r for reform *n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
111. co_____de a meeting *v.* to come to an end or close; to reach a judgment or opinion by reasoning

ANSWERS: 103. claim, 104. electrify, 105. wavelength, 106. estimate, 107. religion, 108. downward, 109. nail, 110. lever, 111. conclude

112. ge___e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
113. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
114. bu___e his way into a high-paying job *v.* to move or act clumsily or awkwardly; to speak or behave in an inept or confused manner
115. tera-he__z radiation *n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals
116. nuclear ph____s *n.* the science of matter and energy and their interactions
117. a circular mo_____nt *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
118. a good grounding in mat_____cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
119. an air-cooled en___e *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
120. easy qu_____r *n.* a person who gives up easily or does not have the determination to finish what they have started

ANSWERS: 112. genome, 113. fundamental, 114. bumble, 115. hertz, 116. physics, 117. movement, 118. mathematics, 119. engine, 120. quitter

121. in_____ry control	<i>n.</i> a complete list of all the items or goods held in stock by a business or organization; the act of making such a list
122. ob_____s reasons	<i>adj.</i> easy to see, discover or understand
123. theoretical ph_____st	<i>n.</i> a scientist who specializes in the field of physics
124. mo_____nt of troops	<i>n.</i> a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
125. ra_____e in all directions	<i>v.</i> to spread out or emit something, such as light or heat, in all directions
126. impaired ey_____ht	<i>n.</i> the ability to see; visual acuity or sharpness
127. ra_____e an aura	<i>v.</i> to spread out or emit something, such as light or heat, in all directions
128. bu___e through his speeches	<i>v.</i> to move or act clumsily or awkwardly; to speak or behave in an inept or confused manner
129. el___t a solution	<i>v.</i> to obtain information or a reaction from someone, usually with difficulty
130. ast_____ng achievement	<i>adj.</i> surprising or shocking; difficult to believe
131. fl__es of snow	<i>n.</i> a small, thin piece or layer of something, often with a flat or irregular shape; a person who is unreliable or inconsistent

ANSWERS: 121. inventory, 122. obvious, 123. physicist, 124. movement, 125. radiate, 126. eyesight, 127. radiate, 128. bumble, 129. elicit, 130. astonishing, 131. flake

132. pe____ar people *adj.* odd and uncommon, sometimes in an unpleasant way
133. re___e the company *v.* to show that one is not willing to do or accept something
134. a do____rd slope *adj.* moving towards a lower position or a lower level
135. pl___t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
136. sl____ly alkaline soils *adv.* in a small degree or extent; a little
137. city so____ir *n.* an object, often a small item, that is kept as a reminder or memento of a person, place, or event; a keepsake
138. am____g advances *adj.* extremely surprising, especially in a way that you like or admire
139. fa__h in government *n.* complete trust in something or someone's ability or knowledge; a strong belief in religion, divine power, etc.
140. completely fas_____ng to me *adj.* extremely interesting
141. de___e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
142. di____ar after a week *v.* to cease to exist or be visible
143. flow of el____ons *n.* a tiny particle with the negative electrical charge

ANSWERS: 132. peculiar, 133. refuse, 134. downward, 135. planet, 136. slightly, 137. souvenir, 138. amazing, 139. faith, 140. fascinating, 141. decide, 142. disappear, 143. electron

144. va___m cleaner *n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction
145. ag_____ic world-view *n.* a person who believes that it is impossible to know whether there is a god
146. a ga___y of famous actors *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
147. low-r_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
148. the degree of dif_____ty *n.* a condition or state that causes problems
149. make ast_____ng gains *adj.* surprising or shocking; difficult to believe
150. co_____us effort *adj.* being aware of and able to respond to what is happening around you
151. va___m packing *n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction
152. religious fa__h *n.* complete trust in something or someone's ability or knowledge; a strong belief in religion, divine power, etc.
153. re___e a request *v.* to show that one is not willing to do or accept something

ANSWERS: 144. vacuum, 145. agnostic, 146. galaxy, 147. rev, 148. difficulty, 149. astonishing, 150. conscious, 151. vacuum, 152. faith, 153. refuse

154. es_____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
155. fatty li__r *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
156. inc_____le amount *adj.* unbelievable; enormous
157. a cervical sp__e injury *n.* the series of bones running down the center of the back that protect the spinal cord and support the body; the backbone or vertebral column
158. re__w its corporate image *v.* to begin or resume something again after an interruption
159. increase sl_____ly *adv.* in a small degree or extent; a little
160. phi_____hy of education *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
161. the in_____al economy *adj.* of or relating to the inside of something
162. annual in_____ry *n.* a complete list of all the items or goods held in stock by a business or organization; the act of making such a list
163. a ch_____ul disposition *adj.* happy and positive; causing feelings of happiness or optimism; marked by or expressing joy or optimism
164. in an o_d way *adj.* strange or unexpected; not divisible by two

ANSWERS: 154. estimate, 155. liver, 156. incredible, 157. spine, 158. renew, 159. slightly, 160. philosophy, 161. internal, 162. inventory, 163. cheerful, 164. odd

165. me____n name *v.* to speak or write about something or someone briefly
166. ca____al atmosphere *n.* a public enjoyment and celebration, usually held in the street, featuring music, dancing, and various forms of entertainment
167. a g__d design *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
168. a structural b__m of a building *n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
169. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
170. li__r disease *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
171. el_____fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
172. te_____hy test *n.* the supposed ability to communicate directly with someone else's mind without the need for words or physical gestures; the transfer of thoughts or emotions from one person to another by means other than the physical senses

ANSWERS: 165. mention, 166. carnival, 167. grid, 168. beam, 169. decide, 170. liver, 171. electrify, 172. telepathy

173. come out of no____e *adv.* not in, at, or to any place; not anywhere
174. elliptic ga____y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
175. con_____ly access information *adv.* in a way that happens without interruption or repeatedly
176. 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
177. omn_____nt threat *adj.* present everywhere at the same time; ubiquitous; pervading or encompassing all things or places
178. et____l quarreling *adj.* being without beginning or end; lasting forever
179. en____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
180. b__m of light *n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
181. face an inc_____ent truth *adj.* causing trouble or difficulty; not convenient or suitable
182. ch____ul smile *adj.* happy and positive; causing feelings of happiness or optimism; marked by or expressing joy or optimism
183. in_____le stars *adj.* impossible or nearly impossible to see

ANSWERS: 173. nowhere, 174. galaxy, 175. continually, 176. universe, 177. omnipresent, 178. eternal, 179. engineer, 180. beam, 181. inconvenient, 182. cheerful, 183. invisible

184. laws of ph____s *n.* the science of matter and energy and their interactions
185. dif_____ty in breathing *n.* a condition or state that causes problems
186. con_____ly changing world *adv.* in a way that happens without interruption or repeatedly
187. el____t a confession *v.* to obtain information or a reaction from someone, usually with difficulty
188. face inc_____gly complicated challenges *adv.* more and more
189. 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
190. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

ANSWERS: 184. physics, 185. difficulty, 186. continually, 187. elicit, 188. increasingly, 189. gravity, 190. engineer

Session 3: Fill in the Blanks

1. The outermost _____ shell determines the chemical properties of an atom.
n. a tiny particle with the negative electrical charge
2. She tends to _____ through her work, making careless errors along the way.
v. to move or act clumsily or awkwardly; to speak or behave in an inept or confused manner
3. Her response revealed _____ idiocy.
adj. unbelievable; enormous
4. His grandfather was an ____ man.
adj. strange or unexpected; not divisible by two
5. The comic book hero had a _____ power, which allowed him to read and control minds, making him a formidable foe
n. the supposed ability to communicate directly with someone else's mind without the need for words or physical gestures; the transfer of thoughts or emotions from one person to another by means other than the physical senses
6. Her tongue runs on _____.
adv. in a way that happens without interruption or repeatedly
7. Mercury is the closest _____ to the sun.
n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
8. The treatments were done but, _____ were unsuccessful.
adv. by bad luck; unluckily

ANSWERS: 1. electron, 2. bumble, 3. incredible, 4. odd, 5. telepathy, 6. continually, 7. planet, 8. unfortunately,

9. The stock market has been in a _____ trend for the past month.
adj. moving towards a lower position or a lower level
10. Her scientific background led her to be _____ about the existence of a higher power.
n. a person who believes that it is impossible to know whether there is a god
11. 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
12. He studied the _____ of radiation.
n. the science of matter and energy and their interactions
13. The flower was starting to show its ____ and would soon bloom into a beautiful blossom.
n. a small swelling on a plant stem or twig containing an undeveloped shoot
14. The new software provides _____ results, making it much more efficient than the previous version.
adj. occurring or happening immediately or without delay; taking place in an instant or moment
15. We _____ the season's total trade deficit at \$50 billion.
v. to guess or calculate the cost, size, value, etc. of something
16. I bought my sister a miniature Eiffel Tower _____ when I visited Paris.
n. an object, often a small item, that is kept as a reminder or memento of a person, place, or event; a keepsake

ANSWERS: 9. downward, 10. agnostic, 11. universe, 12. physics, 13. bud, 14. instantaneous, 15. estimated, 16. souvenir

17. We _____ a cease-fire.

v. to come to an end or close; to reach a judgment or opinion by reasoning

18. She had a master's degree in _____.

n. the scientific study of mind and behavior

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

adv. more and more

20. He stepped on the gas pedal, and the engine released a loud ____.

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

21. ____ pattern roads often appear in urban areas.

n. a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region

22. He has a flair for _____.

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

23. He kept his robust _____ in his company.

n. complete trust in something or someone's ability or knowledge; a strong belief in religion, divine power, etc.

24. The _____ of the dancers on stage was graceful and elegant.

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

ANSWERS: 17. concluded, 18. psychology, 19. increasingly, 20. rev, 21. Grid, 22. mathematics, 23. faith, 24. movement

25. This initiative will be a _____ for increasing company sales.
- n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
26. The kids were excited to go to the _____ and see the clowns and animals perform.
- n.* a traveling show or entertainment that often features acrobats, clowns, animals, and other performers; a chaotic, confusing, or tumultuous situation or environment
27. The news of her sudden death was _____ to everyone who knew her.
- adj.* surprising or shocking; difficult to believe
28. The product developed through years of research continues to _____ the market.
- v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
29. 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
30. They watched the train _____ into the distance.
- v.* to cease to exist or be visible
31. The store manager took _____ of the products on the shelves to know what needed restocking.
- n.* a complete list of all the items or goods held in stock by a business or organization; the act of making such a list

ANSWERS: 25. lever, 26. circus, 27. astonishing, 28. electrify, 29. galaxy, 30. disappear, 31. inventory

32. He moved his body _____ to the left.

adv. in a small degree or extent; a little

33. Their _____ strictly prohibits them from drinking or gambling.

n. a deep conviction in a supernatural power that controls human destiny

34. He wants to _____ ownership of the abandoned property.

v. to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true

35. The museum houses a _____ collection of Celtic artifacts.

adj. extremely interesting

36. The human ear can detect sounds with frequencies ranging from 20 to 20,000 _____.

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

37. I always put a _____ mark next to the items on my grocery list after buying them.

n. a light, sharp, repetitive sound or action; a mark indicating that something is correct or has been done; any of two families of small parasitic arachnids with barbed proboscis

38. He is familiar with _____ and biology.

n. the branch of the natural sciences dealing with the composition of substances and their properties and reactions

39. Human females normally have two X _____.

n. a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like

ANSWERS: 32. slightly, 33. religion, 34. claim, 35. fascinating, 36. hertz, 37. tick, 38. chemistry, 39. chromosomes

40. She found a paint _____ on the wall and realized it was time to repaint the room.
n. a small, thin piece or layer of something, often with a flat or irregular shape; a person who is unreliable or inconsistent
41. 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
42. She couldn't _____ whether to order the pizza or the pasta for dinner.
v. to make up someone's mind about something; to come to a conclusion or judgment after considering options
43. The motion of planets can be described using _____ mechanics.
adj. relating to Sir Isaac Newton or his laws of motion and universal gravitation
44. Necessity is the mother of _____.
n. the creation of a new device or process resulting from study and experimentation; the act of inventing
45. Her _____ personality brightened up the room.
adj. happy and positive; causing feelings of happiness or optimism; marked by or expressing joy or optimism
46. The traveling _____ is coming to our town next week.
n. a public enjoyment and celebration, usually held in the street, featuring music, dancing, and various forms of entertainment
47. Please use the _____ to clean up the mess on the floor.
n. a space empty of matter; a device or tool used for cleaning or removing debris by creating suction

ANSWERS: 40. flake, 41. gravity, 42. decide, 43. Newtonian, 44. invention, 45. cheerful, 46. carnival, 47. vacuum

48. Eventually, the new design will _____ all older models.
v. to take the place of something
49. I _____ to him that I had seen his sister at the grocery store earlier that day.
v. to speak or write about something or someone briefly
50. He was labeled as a _____ after he abandoned the project halfway.
n. a person who gives up easily or does not have the determination to finish what they have started
51. Einstein was an outstanding and famous _____ of the 20th century.
n. a scientist who specializes in the field of physics
52. In every civilization, rulers have tried everything possible to obtain _____ life.
adj. being without beginning or end; lasting forever
53. I've been thinking all day and getting _____.
adv. not in, at, or to any place; not anywhere
54. The phenomenon is _____ at optical wavelengths.
adj. impossible or nearly impossible to see
55. To advance this discussion, we must _____ "success" rigorously.
v. to state or explain precisely the nature, scope, or meaning of something
56. The night sky was full of twinkling _____ bodies.
adj. relating to the stars or celestial bodies; of or like the stars; pertaining to or associated with spiritual or mystical realms or experiences;

ANSWERS: 48. replace, 49. mentioned, 50. quitter, 51. physicist, 52. eternal, 53. nowhere, 54. invisible, 55. define, 56. astral

57. I _____ for reasons already stated above.

v. to have or express a different opinion, idea, etc.

58. The picture was _____ because it was taken with an old camera.

adj. having a soft and indistinct outline or covered with fine, soft, and hairlike fibers

59. 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

60. The human _____ contains approximately three billion chemical base pairs.

n. the complete set or sequence of genes of a human, animal, plant, or other living things

61. I have to _____ my passport by the middle of September.

v. to begin or resume something again after an interruption

62. He narrated the _____ story of his adventure.

adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual

63. The policies he announces can be the _____ of economic growth in the country.

n. a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

64. He used a hammer and round _____ to fix the loose board on the fence.

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

ANSWERS: 57. disagree, 58. fuzzy, 59. radiation, 60. genome, 61. renew, 62. extraordinary, 63. engine, 64. nail

65. 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

66. This ad campaign is aimed _____ at young women.

adv. only associated with or meant for one thing

67. Her research team made an important _____.

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

68. Ethics is a branch of _____.

n. the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

69. His excellent _____ allowed him to spot the bird in the dense foliage.

n. the ability to see; visual acuity or sharpness

70. The golfer recorded an _____ distance.

adj. extremely surprising, especially in a way that you like or admire

71. We have finally lost our last _____.

n. a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something

72. Human behavior has _____ characteristics.

adj. forming an essential base or core from which everything else develops or is affected

ANSWERS: 65. structure, 66. specifically, 67. discovery, 68. philosophy, 69. eyesight, 70. amazing, 71. prop, 72. fundamental

73. Have you _____ a response from them yet?

v. to obtain information or a reaction from someone, usually with difficulty

74. The prime minister canceled visits to other countries to resolve _____ disputes.

adj. of or relating to the inside of something

75. The sun's _____ shone through the window and illuminated the room.

n. a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source

76. The _____ at the zoo impressed visitors with its size and strength.

n. a large, powerful, and intelligent primate found in the forests of central Africa, with coarse black or brown fur and a distinctive face

77. She is a talented _____ who has been recognized for her work.

n. a person who writes poetry

78. He was sick for five _____ days.

adj. extending or moving in one direction without bending or curving; having no deviations

79. The juice has a _____ taste.

adj. odd and uncommon, sometimes in an unpleasant way

80. It was _____ for her to go out of her way to pick up the package.

adj. causing trouble or difficulty; not convenient or suitable

81. The internet has made information access _____.

adj. present everywhere at the same time; ubiquitous; pervading or encompassing all things or places

ANSWERS: 73. elicited, 74. internal, 75. beam, 76. gorilla, 77. poet, 78. straight, 79. peculiar, 80. inconvenient, 81. omnipresent

82. As an _____ he had the right to make his own decisions and live his life as he saw fit.
- n.* a single person or thing, as distinct from a group
83. Researchers must _____ into the intricacies of the human brain to understand mental illness.
- v.* to dig or excavate deeply; to investigate or research intensively; to rummage or explore in a thorough or careful manner
84. My initial reaction was to _____.
- v.* to show that one is not willing to do or accept something
85. He has _____ exercising because of a back injury sustained in an accident.
- n.* a condition or state that causes problems
86. White color is made up of many different _____ of light.
- n.* the distance between two points in the same phase in consecutive cycles of a wave
87. She has a minor curved _____ due to desk work for many years.
- n.* the series of bones running down the center of the back that protect the spinal cord and support the body; the backbone or vertebral column
88. The _____ will repair my telephone tomorrow morning.
- n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
89. There are _____ differences between the two wine-producing regions.
- adj.* easy to see, discover or understand

ANSWERS: 82. individual, 83. delve, 84. refuse, 85. difficulty, 86. wavelengths, 87. spine, 88. engineer, 89. obvious

90. Their headquarters are in a _____ skyscraper.

adj. of or belonging to the present time or recent times

91. In terms of _____ he was head and shoulders above his classmates.

n. the ability to learn, comprehend, or make judgments or conclusions based on reasons

92. He became _____ that he was being followed.

adj. being aware of and able to respond to what is happening around you

93. The patient will undergo _____ transplant surgery tomorrow.

n. a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

94. Roads _____ from the famous building in the center of the city.

v. to spread out or emit something, such as light or heat, in all directions

95. We do not want to _____ the text's original meaning through poor translations.

v. to alter, modify, or degrade something in a way that undermines or violates its original integrity or quality; to create a less authentic or less desirable version of something

ANSWERS: 90. modern, 91. intelligence, 92. conscious, 93. liver, 94. radiate, 95. bastardize