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Vocabulary Builder Reference from...

Chris Anderson: Why can't we see evidence of alien life? | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

vast

adj. enormous in size, number, amount, or quantity

synonym: expansive, extended, boundless

(1) **vast** majority, (2) **vast** desert

A **vast** audience viewed the broadcast.

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.

countless

adj. too numerous to be counted or very many

synonym: innumerable, myriad, numerous

(1) **countless** hours, (2) answer **countless** questions

There are **countless** methods for dealing with stress.

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.

teem

v. to be abuzz; to move in large numbers; to fall heavily
synonym: brim, swarm, overflow

(1) **teem** with activity, (2) **teem** down

The city **teems** with traffic on holiday.

conspiracy

n. a secret agreement between two or more people to perform something harmful or illegal

synonym: plot, collaboration, scheme

(1) political **conspiracy**, (2) **conspiracy** theory

There was a **conspiracy** of silence about illegal police interrogation.

theorist

n. a person who develops or formulates theories about a particular subject, especially in the sciences or social sciences; someone who engages in theoretical thinking or speculation

synonym: philosopher, academic, scholar

(1) scientific **theorist**, (2) conspiracy **theorist**

The feminist **theorist** criticized traditional models of gender roles and argued for greater equality between the sexes.

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.

convincing

adj. able to make someone believe that something is true

synonym: clear, compelling, believable

(1) a **convincing** victory, (2) **convincing** biochemical explanation

I found her assertion pretty **convincing**.

riddle

n. a type of question that describes something in a difficult and confusing way, and that has a surprising answer,

often asked as a game

synonym : mystery, puzzle, enigma

(1) **riddle** me a riddle, (2) solve the **riddle**

The **riddle** remains mysterious to us.

observatory

n. a building designed and equipped to observe the planets, the stars, the weather, etc.

(1) space **observatory**, (2) a meteorological **observatory**

That astronomical **observatory** stands at the top of the mountain.

extrapolate

v. to guess or think about what might happen or estimate something using the facts that you have now

synonym : deduce, reason, infer

(1) **extrapolate** the results, (2) **extrapolate** animal dose

This predictive model mechanically **extrapolates** past trends into the future.

trillion

n. the number 1,000,000,000,000; a million million

(1) **trillion** cubic feet, (2) many **trillions** of dollars

One light year is nearly 6 **trillion** miles.

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.

harbor

n. an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession

synonym : port, dock, pier

(1) a sheltered **harbor**, (2) **harbor** a resentment

The tsunami swamped every boat in the **harbor**.

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.

underway

adj. having started and currently in progress

synonym: afoot, ongoing, in motion

(1) just getting **underway**, (2) campaign now **underway**

This project has been **underway** for several years.

spawn

v. to lay eggs or to produce offspring; to cause something to develop

synonym: beget, breed, generate

(1) **spawn** in spring, (2) **spawn** a new concept

The salmon swims upstream to **spawn** in the place they were released.

intelligent

adj. having the capacity for thought and reason, especially to a high degree

synonym: brilliant, clever, competent

(1) an **intelligent** person, (2) **intelligent** assisting system

Intelligent robots that can cooperate with humans have limited motor output for safety.

complexity

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

synonym: intricacy, sophistication, elaboration

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

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

dramatically

adv. in a very impressive manner

synonym: greatly, noticeably, suddenly

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

dramatically

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

accelerate

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

synonym : speed up, quicken, rev

(1) **accelerate** a chemical reaction, (2) **accelerate** the car
The government tried to **accelerate** the commercialization of this development.

alien

n. a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere

synonym : foreigner, unfamiliar, unknown

(1) **alien** fungi, (2) resident **aliens**

Alien species have drastically altered the ecosystem in this area.

civilization

n. a complex and highly organized society that has developed over time and has a dominant culture, including features such as language, religion, government, technology, and social customs

synonym : society, culture, community

(1) **civilization** decline, (2) lost **civilization**

The rise and fall of **civilizations** can be studied through history and archaeology.

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.

harvest

n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm

synonym : crop, reaping, yield

(1) a scanty **harvest**, (2) reap a **harvest**

During **harvest**, farmers are incredibly busy.

artifact

n. a person-made object, especially one of historical or cultural interest

synonym: antique, relic, heirloom

(1) paleolithic **artifacts**, (2) Peruvian **artifacts**

The museum has a vast collection of Greek **artifacts**.

fleet

n. a group of military ships, aircraft, etc., operating together under the same ownership; (adjective) moving very fast

synonym: armada, flotilla, (adjective) speedy

(1) **fleet** of foot, (2) a **fleet** horse

We destroyed a **fleet** of 70 enemy ships.

colon

n. the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system

(1) **colon** examination, (2) the **colon** at the end of the sentence

Consumption of vegetables may aid in the prevention of **colon** cancer.

spaceship

n. (especially in science fiction) a spacecraft designed to carry a crew into interstellar space

synonym: starship, rocket, spacecraft

(1) a **spaceship** to survey the moon, (2) alien **spaceship**

They launched a crewless **spaceship** into space.

glorious

adj. having or deserving great admiration, praise, and honor; having great beauty and splendor

synonym: exquisite, magnificent, majestic

(1) a **glorious** victory, (2) photo in **glorious** color

I choose a **glorious** death rather than a shameful life.

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**.

presence

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

synonym : existence, actuality, fact

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

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

deliberately

adv. done in an intentional or slow and careful manner

synonym : intentionally, knowingly, willfully

(1) **deliberately** amateurish, (2) commit a crime

deliberately

He **deliberately** misleads others.

electromagnetic

adj. of or relating to the magnetism produced by electric charge in motion

(1) **electromagnetic** radiation, (2) **electromagnetic** properties

His hypothesis concerns the role of an **electromagnetic** field in human health.

numerous

adj. amounting to a large indefinite number

synonym : many, considerable, countless

(1) **numerous** countries, (2) as **numerous** as the sand

These descriptions are based on a number of **numerous** assumptions.

superintelligence

n. a hypothetical agent, for example, a computer or space alien, that possesses intelligence far surpassing that of humankind

(1) digital **superintelligence**, (2) artificial **superintelligence**
He is looking for evidence of the existence of **superintelligence** from cosmic signals.

impose

v. to officially force a new law, tax, duty, etc. to be obeyed or received

synonym: charge, levy, foist

(1) **impose** harsher sanctions, (2) **impose** tariffs

The problem with achievement tests is the narrowness they **impose** on students.

strict

adj. strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.

synonym: rigorous, inflexible, relentless

(1) **strict** compliance regime, (2) in **strict** secrecy

Too **strict** a regulation for the private sector will stifle innovation.

silent

adj. without any or little sound

synonym: quiet, hushed, mute

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

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

paranoid

adj. unreasonably or obsessively believing that other people do not like you or want to harm you

(1) **paranoid** about issues, (2) **paranoid** disorder

A **paranoid** person may have delusions that people want to harm.

competitor

n. a person who participates in a sporting contest; a person or organization that competes with others, particularly in business

synonym: opponent, contender, contestant

(1) beat **competitor** offer, (2) domestic **competitor**

The gap between the company and its **competitors** has widened.

obliterate

v. to wipe out, destroy, or conceal all signs of something utterly; to remove completely from recognition or memory

synonym : destroy, eliminate, erase

(1) **obliterate** all traces, (2) **obliterate** data

The accident at that nuclear power plant **obliterated** the local ecosystem.

threat

n. a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation

synonym : menace, danger, hazard

(1) economic **threat**, (2) environmental **threat**

The **threat** of severe weather prompted the city to issue an evacuation warning.

evolution

n. a gradual process of transformation of living things

synonym : elaboration, expansion, transition

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

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

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.

capable

adj. having the ability, skill, or potential to do something; competent or proficient in a particular task or area of expertise

synonym : able, competent, proficient

(1) **capable** worker, (2) **capable** leader

She is highly **capable** of handling multiple tasks at once.

sophisticated

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

synonym : refined, cultured, worldly

(1) **sophisticated** look, (2) a **sophisticated** lifestyle

Marketing strategies are growing more **sophisticated**.

assume

v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

synonym : guess, presume, suppose

(1) **assume** a lousy attitude to his boss, (2) **assume** an important role

The following example **assumes** that the capacity of each battery is the same.

aft

adj. (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle

(1) **aft** cabin, (2) **aft** view

The **aft** section of the ship suffered significant damage after the collision with the reef.

incredibly

adv. in a way that is very difficult to believe; exceedingly or extremely

synonym : enormously, exceptionally, extraordinarily

(1) **incredibly** cheerful character, (2) get **incredibly** insecure

Several cities are experiencing **incredibly** high unemployment rates.

seed

n. a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant

synonym : germ, kernel, ovule

(1) a **seed** coat, (2) **seed** money

He planted the **seed** in the soil and waited for it to sprout.

destruction

n. the act of causing so much damage to something
synonym : devastation, annihilation, ruin

(1) path of **destruction**, (2) cyclonic **destruction**

The extinction of several subspecies has been linked to climate change and habitat **destruction**.

inability

n. the state of being unable to do something or achieve a particular task or goal; a lack of physical or mental capacity or skill

synonym : incapacity, disability, incompetence

(1) mental **inability**, (2) chronic **inability** to focus

Her **inability** to speak the local language made it difficult for her to communicate with the locals.

hop

v. to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.

synonym : jump, bounce, skip

(1) **hop** on one foot, (2) **hop** from one place to another

The rabbit **hopped** over the fence.

pitiful

adj. making people feel sorrow or sympathy; very small or poor

synonym : miserable, contemptible, sorry

(1) a **pitiful** fate, (2) cast **pitiful** eyes

We heard their **pitiful** laments throughout the night.

fraction

n. a small part or item forming a piece of a whole; the quotient of two rational numbers

synonym : piece, part, fragment

(1) a **fractional** share of the vote, (2) a numerator in a **fraction**

He spent only a **fraction** of his earnings.

develop

v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add

detail to something that is in the process of being created

synonym : evolve, progress, advance

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

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

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**.

communicate

v. to share or exchange information with others by speaking, writing, moving your body, or using other signals

synonym : convey, share, transmit

(1) **communicate** his anxieties to the psychiatrist,

(2) **communicate** well with my advisor

Dolphins use sound to **communicate** with each other.

mysterious

adj. difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement

synonym : enigmatic, cryptic, puzzling

(1) **mysterious** object, (2) **mysterious** stranger

The **mysterious** disappearance of the ship remains unsolved.

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.

ultimate

adj. furthest or highest in degree or order

synonym : highest, maximum, foremost

(1) the **ultimate** goal in life, (2) the **ultimate** luxury

Management must take **ultimate** responsibility for the accident.

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.

efficiently

adv. in a way that produces maximum output with minimum effort or expense

synonym : expeditiously, skillfully, ably

(1) **efficiently** combined, (2) develop software more **efficiently**

We can resolve support requests quickly and **efficiently** by utilization of AI.

clunky

adj. heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement

synonym : clumsy, bulky, burdensome

(1) **clunky** phrasing, (2) **clunky** robot

Refined character portrayal makes up for **clunky** gameplay.

shrink

v. to become smaller, or to make something smaller in size or amount

synonym : decrease, diminish, shy away

(1) **shrink** the tumor, (2) **shrink** with fear

This shirt will **shrink** in the wash.

footprint

n. a mark of a foot, shoe, or animal's foot left on a surface

synonym : footmark, imprint, impression

(1) **footprints** in the snow, (2) the **footprints** of an earlier civilization

We choose transportation that has a smaller carbon **footprint**.

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**.

microscopic

adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy

synonym: infinitesimal, tiny, atomic

(1) **microscopic** inquiry, (2) **microscopic** analysis

Inspectors noticed **microscopic** cracks in the submarine's hull.

solar

adj. of, from, or relating to the sun

(1) the **solar** system, (2) a **solar** eclipse

Solar panels have greatly improved not only in performance but also in durability.

crazy

adj. stupid or not sensible; very angry

synonym: insane, absurd, bizarre

(1) **crazy** about cars and racing, (2) a **crazy** scheme

The rain and thunder are **crazy** today.

outlive

v. to live longer than another person

synonym: continue, outlast, survive

(1) **outlive** its usefulness, (2) **outlive** our child

She **outlived** her husband for many years.

biology

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

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

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

passee

adj. no longer fashionable or current; outdated; considered to be old-fashioned or out of date

synonym : outdated, old-fashioned, antique

(1) **passee** entertainment, (2) **passee** trend

Bell-bottom jeans, once considered **passee** fashion, have made a surprising comeback in recent years.

phase

n. any stage in a series of events, change, or development

synonym : degree, stage, step

(1) enter on the last **phase**, (2) two- **phase** structure

The era of the industrial revolution was a crucial **phase** of history.

spectroscope

n. an optical instrument used for spectrographic analysis (= measurement of properties of light over a specific portion of the electromagnetic spectrum)

(1) infrared **spectroscope**, (2) Fourier **spectroscope**

An X-ray **spectroscope** can determine the composition of the elements in a sample.

promising

adj. having the potential to be successful, helpful, or beneficial; showing signs of future success or achievement

synonym : hopeful, optimistic, encouraging

(1) **promising** idea, (2) **promising** start

Several top teams scouted **promising** young athletes.

extraterrestrial

adj. relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth

synonym : alien, outer, otherworldly

(1) **extraterrestrial** planet, (2) **extraterrestrial** intelligence

Scientists are constantly searching for signs of

extraterrestrial life in the universe.

release

v. to set free or allow to escape from confinement

synonym : free, let go, discharge

(1) **release** a prisoner, (2) **release** CO2 into the air

The animal rights group worked to **release** the dolphins back into the wild.

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.

experiment

n. the scientific test conducted to observe what happens and gain new knowledge

synonym : experimentation, investigation

(1) **experiment** design, (2) series of **experiments**

His **experiments** showed highly positive results.

scratch

v. to cut or damage the surface of something or the skin with a sharp or pointed object

synonym : claw, rub, scrape

(1) **scratch** off a name, (2) **scratch** my signature

Don't **scratch** your mosquito bites.

awe-inspiring

adj. making you feel great respect or admiration through being impressive or formidable

synonym : magnificent, amazing, astonishing

(1) **awe-inspiring** painting, (2) **awe-inspiring** power

The moment the glacier collapses is an **awe-inspiring** sight.

quest

n. a long or challenging search for something

synonym : exploration, inquisition, pursuit

(1) the **quest** for truth, (2) on a **quest** for happiness

That adventurer traveled in **quest** of buried treasure.

dull *adj.* not interesting or exciting; not bright, vivid, or shiny; not active, brisk, or sharp
synonym : insensitive, unintelligent, boring
(1) a **dull** pain, (2) **dull** sight
The trade is **dull** right now due to the collapse of the prominent investment bank.

opposition *n.* the act of disagreeing or resisting; the state of strong disagreement
synonym : resistance, hostility, antagonism
(1) **opposition** campaign, (2) meet with **opposition**
The **opposition** party strongly disagreed with the government's proposed legislation.

possibility *n.* a chance that something may happen or be true
synonym : chance, prospect, likelihood
(1) **possibility** for growth, (2) **possibility** of a major earthquake
The **possibility** of getting the disease will drastically increase.

unanswered *adj.* not responded to or explained
synonym : ignored, unrequited, undecided
(1) **unanswered** love, (2) **unanswered** e-mail
Pardon me for leaving some of your questions **unanswered**.

Session 2: Spelling

- | | |
|-----------------------------------|---|
| 1. si___t reading | <i>adj.</i> without any or little sound |
| 2. a sp_____ip to survey the moon | <i>n.</i> (especially in science fiction) a spacecraft designed to carry a crew into interstellar space |
| 3. env_____nt affairs | <i>n.</i> the natural world such as air, water, and land in which humans, animals, and plants live |
| 4. eff_____ly combined | <i>adv.</i> in a way that produces maximum output with minimum effort or expense |
| 5. an int_____nce test | <i>n.</i> the ability to learn, comprehend, or make judgments or conclusions based on reasons |
| 6. many tr_____ons of dollars | <i>n.</i> the number 1,000,000,000,000; a million million |
| 7. ext_____ial intelligence | <i>adj.</i> relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth |
| 8. pos_____ty for growth | <i>n.</i> a chance that something may happen or be true |
| 9. a pi_____l fate | <i>adj.</i> making people feel sorrow or sympathy; very small or poor |
| 10. on a qu__t for happiness | <i>n.</i> a long or challenging search for something |
| 11. pl___t like the Earth | <i>n.</i> any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star |

ANSWERS: 1. silent, 2. spaceship, 3. environment, 4. efficiently, 5. intelligence, 6. trillion, 7. extraterrestrial, 8. possibility, 9. pitiful, 10. quest, 11. planet

12. sh___k the tumor *v.* to become smaller, or to make something smaller in size or amount
13. b__g a phone down *v.* to hit or cause to hit something in a way that makes a loud noise
14. just getting un_____ay *adj.* having started and currently in progress
15. chronic in_____ty to focus *n.* the state of being unable to do something or achieve a particular task or goal; a lack of physical or mental capacity or skill
16. ou_____e its usefulness *v.* to live longer than another person
17. acc_____te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
18. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
19. opp_____on campaign *n.* the act of disagreeing or resisting; the state of strong disagreement
20. human ev_____on *n.* a gradual process of transformation of living things
21. ou_____e our child *v.* to live longer than another person
22. the co__n at the end of the sentence *n.* the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
23. ha___r a resentment *n.* an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession

ANSWERS: 12. shrink, 13. bang, 14. underway, 15. inability, 16. outlive, 17. accelerate, 18. amazing, 19. opposition, 20. evolution, 21. outlive, 22. colon, 23. harbor

24. cyclonic des_____on *n.* the act of causing so much damage to something
25. as___e a lousy attitude to his boss *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
26. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
27. two-ph___e structure *n.* any stage in a series of events, change, or development
28. field of artificial int_____nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
29. una_____ed e-mail *adj.* not responded to or explained
30. the evidence of the pr_____ce *n.* the fact or state that someone or something exists, occurs, or is present
31. a_t cabin *adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
32. he confessed dra_____lly *adv.* in a very impressive manner
33. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
34. nu_____us countries *adj.* amounting to a large indefinite number
35. 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

ANSWERS: 24. destruction, 25. assume, 26. communicate, 27. phase, 28. intelligence, 29. unanswered, 30. presence, 31. aft, 32. dramatically, 33. biology, 34. numerous, 35. rev

36. mental in_____ty *n.* the state of being unable to do something or achieve a particular task or goal; a lack of physical or mental capacity or skill
37. pos_____ty of a major earthquake *n.* a chance that something may happen or be true
38. com_____te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
39. de_____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
40. campaign now un_____ay *adj.* having started and currently in progress
41. commit a crime del_____ely *adv.* done in an intentional or slow and careful manner
42. as___e an important role *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
43. ev_____on theory *n.* a gradual process of transformation of living things
44. 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
45. a sheltered ha____r *n.* an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession

ANSWERS: 36. inability, 37. possibility, 38. communicate, 39. develop, 40. underway, 41. deliberately, 42. assume, 43. evolution, 44. planet, 45. harbor

46. an int_____nt person *adj.* having the capacity for thought and reason, especially to a high degree
47. as nu_____us as the sand *adj.* amounting to a large indefinite number
48. 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
49. 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
50. sc_____h off a name *v.* to cut or damage the surface of something or the skin with a sharp or pointed object
51. 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
52. mys_____us object *adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement
53. fl__t of foot *n.* a group of military ships, aircraft, etc., operating together under the same ownership; (adjective) moving very fast
54. pr_____ng idea *adj.* having the potential to be successful, helpful, or beneficial; showing signs of future success or achievement
55. pa_____id disorder *adj.* unreasonably or obsessively believing that other people do not like you or want to harm you

ANSWERS: 46. intelligent, 47. numerous, 48. discovery, 49. mass, 50. scratch, 51. universe, 52. mysterious, 53. fleet, 54. promising, 55. paranoid

56. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
57. alien sp_____ip *n.* (especially in science fiction) a spacecraft designed to carry a crew into interstellar space
58. a fl__t horse *n.* a group of military ships, aircraft, etc., operating together under the same ownership; (adjective) moving very fast
59. de_____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
60. meet with opp_____on *n.* the act of disagreeing or resisting; the state of strong disagreement
61. pa__e entertainment *adj.* no longer fashionable or current; outdated; considered to be old-fashioned or out of date
62. ele _____tic properties *adj.* of or relating to the magnetism produced by electric charge in motion
63. beat com_____or offer *n.* a person who participates in a sporting contest; a person or organization that competes with others, particularly in business
64. pa_____id about issues *adj.* unreasonably or obsessively believing that other people do not like you or want to harm you
65. al__n fungi *n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere

ANSWERS: 56. complexity, 57. spaceship, 58. fleet, 59. develop, 60. opposition, 61. passe, 62. electromagnetic, 63. competitor, 64. paranoid, 65. alien

66. ext_____te animal dose *v.* to guess or think about what might happen or estimate something using the facts that you have now
67. the qu__t for truth *n.* a long or challenging search for something
68. a scanty ha_____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
69. scientific th_____st *n.* a person who develops or formulates theories about a particular subject, especially in the sciences or social sciences; someone who engages in theoretical thinking or speculation
70. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
71. sp__n in spring *v.* to lay eggs or to produce offspring; to cause something to develop
72. ele_____tic radiation *adj.* of or relating to the magnetism produced by electric charge in motion
73. environmental th____t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
74. 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

ANSWERS: 66. extrapolate, 67. quest, 68. harvest, 69. theorist, 70. experiment, 71. spawn, 72. electromagnetic, 73. threat, 74. claim

75. gi__t tech company *adj.* enormous; much bigger or more important than similar items usually are
76. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
77. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
78. im___e tariffs *v.* to officially force a new law, tax, duty, etc. to be obeyed or received
79. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
80. the so__r system *adj.* of, from, or relating to the sun
81. a so__r eclipse *adj.* of, from, or relating to the sun
82. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
83. economic th___t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
84. ext_____ial planet *adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
85. a gl_____us victory *adj.* having or deserving great admiration, praise, and honor; having great beauty and splendor

ANSWERS: 75. giant, 76. sophisticated, 77. experiment, 78. impose, 79. complexity, 80. solar, 81. solar, 82. environment, 83. threat, 84. extraterrestrial, 85. glorious

86. sh___k with fear *v.* to become smaller, or to make something smaller in size or amount
87. b__g his fist on a desk *v.* to hit or cause to hit something in a way that makes a loud noise
88. a s__d coat *n.* a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant
89. the fo_____nts of an earlier civilization *n.* a mark of a foot, shoe, or animal's foot left on a surface
90. v__t majority *adj.* enormous in size, number, amount, or quantity
91. the ul_____te goal in life *adj.* furthest or highest in degree or order
92. ca_____e worker *adj.* having the ability, skill, or potential to do something; competent or proficient in a particular task or area of expertise
93. mic_____ic analysis *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
94. 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
95. tr_____on cubic feet *n.* the number 1,000,000,000,000; a million million
96. give si__t consent *adj.* without any or little sound
97. obl_____te all traces *v.* to wipe out, destroy, or conceal all signs of something utterly; to remove completely from recognition or memory

ANSWERS: 86. shrink, 87. bang, 88. seed, 89. footprint, 90. vast, 91. ultimate, 92. capable, 93. microscopic, 94. mass, 95. trillion, 96. silent, 97. obliterate

98. a con_____ng victory *adj.* able to make someone believe that something is true
99. una_____ed love *adj.* not responded to or explained
100. enter on the last ph__e *n.* any stage in a series of events, change, or development
101. path of des_____on *n.* the act of causing so much damage to something
102. st___t compliance regime *adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
103. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
104. in_____ct directly with customers *v.* to communicate or react with somebody
105. im___e harsher sanctions *v.* to officially force a new law, tax, duty, etc. to be obeyed or received
106. a meteorological obs_____ry *n.* a building designed and equipped to observe the planets, the stars, the weather, etc.
107. inc_____ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely
108. h_p from one place to another *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
109. pa__e trend *adj.* no longer fashionable or current; outdated; considered to be old-fashioned or out of date
110. co_____ss hours *adj.* too numerous to be counted or very many

ANSWERS: 98. convincing, 99. unanswered, 100. phase, 101. destruction, 102. strict, 103. biology, 104. interact, 105. impose, 106. observatory, 107. incredibly, 108. hop, 109. passe, 110. countless

111. re_____e a prisoner *v.* to set free or allow to escape from confinement
112. int_____nt assisting system *adj.* having the capacity for thought and reason, especially to a high degree
113. ext_____te the results *v.* to guess or think about what might happen or estimate something using the facts that you have now
114. con_____ng biochemical explanation *adj.* able to make someone believe that something is true
115. a_t view *adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
116. infrared spe_____ope *n.* an optical instrument used for spectrographic analysis (= measurement of properties of light over a specific portion of the electromagnetic spectrum)
117. s__d money *n.* a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant
118. the cabin pressure fell dra_____lly *adv.* in a very impressive manner
119. reap a ha_____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
120. acc_____te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly

ANSWERS: 111. release, 112. intelligent, 113. extrapolate, 114. convincing, 115. aft, 116. spectroscope, 117. seed, 118. dramatically, 119. harvest, 120. accelerate

121. a cr__y scheme *adj.* stupid or not sensible; very angry
122. 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
123. a ga___y of famous actors *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
124. awe_____ing painting *adj.* making you feel great respect or admiration through being impressive or formidable
125. t__m down *v.* to be abuzz; to move in large numbers; to fall heavily
126. photo in gl_____us color *adj.* having or deserving great admiration, praise, and honor; having great beauty and splendor
127. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
128. t__m with activity *v.* to be abuzz; to move in large numbers; to fall heavily
129. mys_____us stranger *adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement
130. d__l sight *adj.* not interesting or exciting; not bright, vivid, or shiny; not active, brisk, or sharp
131. con_____cy theory *n.* a secret agreement between two or more people to perform something harmful or illegal

ANSWERS: 121. crazy, 122. claim, 123. galaxy, 124. awe-inspiring, 125. teem, 126. glorious, 127. sophisticated, 128. teem, 129. mysterious, 130. dull, 131. conspiracy

132. the ul____te luxury *adj.* furthest or highest in degree or order
133. v__t desert *adj.* enormous in size, number, amount, or quantity
134. civ____ion decline *n.* a complex and highly organized society that has developed over time and has a dominant culture, including features such as language, religion, government, technology, and social customs
135. his majestic pr____ce *n.* the fact or state that someone or something exists, occurs, or is present
136. a fr____onal share of the vote *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
137. ca____e leader *adj.* having the ability, skill, or potential to do something; competent or proficient in a particular task or area of expertise
138. 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
139. del____ely amateurish *adv.* done in an intentional or slow and careful manner
140. fo____nts in the snow *n.* a mark of a foot, shoe, or animal's foot left on a surface
141. Peruvian ar____cts *n.* a person-made object, especially one of historical or cultural interest
142. get inc____ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely

ANSWERS: 132. ultimate, 133. vast, 134. civilization, 135. presence, 136. fraction, 137. capable, 138. universe, 139. deliberately, 140. footprint, 141. artifact, 142. incredibly

143. domestic com_____or *n.* a person who participates in a sporting contest; a person or organization that competes with others, particularly in business
144. ri___e me a riddle *n.* a type of question that describes something in a difficult and confusing way, and that has a surprising answer, often asked as a game
145. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
146. elliptic ga___y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
147. cr___y about cars and racing *adj.* stupid or not sensible; very angry
148. lost civ_____ion *n.* a complex and highly organized society that has developed over time and has a dominant culture, including features such as language, religion, government, technology, and social customs
149. artificial sup_____nce *n.* a hypothetical agent, for example, a computer or space alien, that possesses intelligence far surpassing that of humankind
150. conspiracy th_____st *n.* a person who develops or formulates theories about a particular subject, especially in the sciences or social sciences; someone who engages in theoretical thinking or speculation
151. Fourier spe_____ope *n.* an optical instrument used for spectrographic analysis (= measurement of properties of light over a specific portion of the electromagnetic spectrum)

ANSWERS: 143. competitor, 144. riddle, 145. amazing, 146. galaxy, 147. crazy, 148. civilization, 149. superintelligence, 150. theorist, 151. spectroscope

152. gi__t trees *adj.* enormous; much bigger or more important than similar items usually are
153. sc_____h my signature *v.* to cut or damage the surface of something or the skin with a sharp or pointed object
154. 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
155. political con_____cy *n.* a secret agreement between two or more people to perform something harmful or illegal
156. mic_____ic inquiry *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
157. a numerator in a fr_____on *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
158. in st___t secrecy *adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
159. cl___y phrasing *adj.* heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement
160. develop software more eff_____ly *adv.* in a way that produces maximum output with minimum effort or expense
161. cast pi_____l eyes *adj.* making people feel sorrow or sympathy; very small or poor
162. obl_____te data *v.* to wipe out, destroy, or conceal all signs of something utterly; to remove completely from recognition or memory

ANSWERS: 152. giant, 153. scratch, 154. discovery, 155. conspiracy, 156. microscopic, 157. fraction, 158. strict, 159. clunky, 160. efficiently, 161. pitiful, 162. obliterate

163. digital sup_____nce *n.* a hypothetical agent, for example, a computer or space alien, that possesses intelligence far surpassing that of humankind
164. resident al__ns *n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
165. sp__n a new concept *v.* to lay eggs or to produce offspring; to cause something to develop
166. re_____e CO2 into the air *v.* to set free or allow to escape from confinement
167. pr_____ng start *adj.* having the potential to be successful, helpful, or beneficial; showing signs of future success or achievement
168. paleolithic ar_____cts *n.* a person-made object, especially one of historical or cultural interest
169. 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
170. solve the ri___e *n.* a type of question that describes something in a difficult and confusing way, and that has a surprising answer, often asked as a game
171. awe_____ing power *adj.* making you feel great respect or admiration through being impressive or formidable

ANSWERS: 163. superintelligence, 164. alien, 165. spawn, 166. release, 167. promising, 168. artifact, 169. rev, 170. riddle, 171. awe-inspiring

172. cl___y robot *adj.* heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement
173. h_p on one foot *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
174. in____ct with one another *v.* to communicate or react with somebody
175. co__n examination *n.* the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
176. a d__l pain *adj.* not interesting or exciting; not bright, vivid, or shiny; not active, brisk, or sharp
177. space obs_____ry *n.* a building designed and equipped to observe the planets, the stars, the weather, etc.
178. answer co_____ss questions *adj.* too numerous to be counted or very many

ANSWERS: 172. clunky, 173. hop, 174. interact, 175. colon, 176. dull, 177. observatory, 178. countless

Session 3: Fill in the Blanks

1. Marketing strategies are growing more _____.
adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
2. We destroyed a _____ of 70 enemy ships.
n. a group of military ships, aircraft, etc., operating together under the same ownership; (adjective) moving very fast
3. Her _____ to speak the local language made it difficult for her to communicate with the locals.
n. the state of being unable to do something or achieve a particular task or goal; a lack of physical or mental capacity or skill
4. The rain and thunder are _____ today.
adj. stupid or not sensible; very angry
5. The museum has a vast collection of Greek _____.
n. a person-made object, especially one of historical or cultural interest
6. He is looking for evidence of the existence of _____ from cosmic signals.
n. a hypothetical agent, for example, a computer or space alien, that possesses intelligence far surpassing that of humankind
7. She is highly _____ of handling multiple tasks at once.
adj. having the ability, skill, or potential to do something; competent or proficient in a particular task or area of expertise

ANSWERS: 1. sophisticated, 2. fleet, 3. inability, 4. crazy, 5. artifacts, 6. superintelligence, 7. capable

8. Several cities are experiencing _____ high unemployment rates.
adv. in a way that is very difficult to believe; exceedingly or extremely
9. A _____ person may have delusions that people want to harm.
adj. unreasonably or obsessively believing that other people do not like you or want to harm you
10. That adventurer traveled in _____ of buried treasure.
n. a long or challenging search for something
11. 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
12. The animal rights group worked to _____ the dolphins back into the wild.
v. to set free or allow to escape from confinement
13. _____ robots that can cooperate with humans have limited motor output for safety.
adj. having the capacity for thought and reason, especially to a high degree
14. Consumption of vegetables may aid in the prevention of _____ cancer.
n. the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
15. 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

ANSWERS: 8. incredibly, 9. paranoid, 10. quest, 11. rev, 12. release, 13. Intelligent, 14. colon, 15. discovery

16. 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
17. The _____ jets gradually dominate the world's airlines.
adj. enormous; much bigger or more important than similar items usually are
18. The trade is _____ right now due to the collapse of the prominent investment bank.
adj. not interesting or exciting; not bright, vivid, or shiny; not active, brisk, or sharp
19. Management must take _____ responsibility for the accident.
adj. furthest or highest in degree or order
20. We choose transportation that has a smaller carbon _____.
n. a mark of a foot, shoe, or animal's foot left on a surface
21. There are _____ methods for dealing with stress.
adj. too numerous to be counted or very many
22. Several top teams scouted _____ young athletes.
adj. having the potential to be successful, helpful, or beneficial; showing signs of future success or achievement
23. The tsunami swamped every boat in the _____.
n. an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession

ANSWERS: 16. intelligence, 17. giant, 18. dull, 19. ultimate, 20. footprint, 21. countless, 22. promising, 23. harbor

24. The rise and fall of _____ can be studied through history and archaeology.
- n.* a complex and highly organized society that has developed over time and has a dominant culture, including features such as language, religion, government, technology, and social customs
25. This shirt will _____ in the wash.
- v.* to become smaller, or to make something smaller in size or amount
26. The _____ of severe weather prompted the city to issue an evacuation warning.
- n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
27. A _____ audience viewed the broadcast.
- adj.* enormous in size, number, amount, or quantity
28. This predictive model mechanically _____ past trends into the future.
- v.* to guess or think about what might happen or estimate something using the facts that you have now
29. These descriptions are based on a number of _____ assumptions.
- adj.* amounting to a large indefinite number
30. The _____ party strongly disagreed with the government's proposed legislation.
- n.* the act of disagreeing or resisting; the state of strong disagreement
31. They launched a crewless _____ into space.
- n.* (especially in science fiction) a spacecraft designed to carry a crew into interstellar space

ANSWERS: 24. civilizations, 25. shrink, 26. threat, 27. vast, 28. extrapolates, 29. numerous, 30. opposition, 31. spaceship

32. He should _____ more with his colleagues.

v. to communicate or react with somebody

33. _____ panels have greatly improved not only in performance but also in durability.

adj. of, from, or relating to the sun

34. The gap between the company and its _____ has widened.

n. a person who participates in a sporting contest; a person or organization that competes with others, particularly in business

35. The rabbit _____ over the fence.

v. to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.

36. I choose a _____ death rather than a shameful life.

adj. having or deserving great admiration, praise, and honor; having great beauty and splendor

37. His hypothesis concerns the role of an _____ field in human health.

adj. of or relating to the magnetism produced by electric charge in motion

38. The politician remained _____ despite intense media scrutiny.

adj. without any or little sound

39. This project has been _____ for several years.

adj. having started and currently in progress

40. 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

ANSWERS: 32. interact, 33. Solar, 34. competitors, 35. hopped, 36. glorious, 37. electromagnetic, 38. silent, 39. underway, 40. mass

41. Life expectancy has grown _____ this century.

adv. in a very impressive manner

42. The accident at that nuclear power plant _____ the local ecosystem.

v. to wipe out, destroy, or conceal all signs of something utterly; to remove completely from recognition or memory

43. He planted the _____ in the soil and waited for it to sprout.

n. a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant

44. I found her assertion pretty _____.

adj. able to make someone believe that something is true

45. The city _____ with traffic on holiday.

v. to be abuzz; to move in large numbers; to fall heavily

46. The _____ of getting the disease will drastically increase.

n. a chance that something may happen or be true

47. 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

48. The _____ disappearance of the ship remains unsolved.

adj. difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement

49. The path to a solid online _____ necessitates a high technical ability.

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

ANSWERS: 41. dramatically, 42. obliterated, 43. seed, 44. convincing, 45. teems, 46. possibility, 47. environment, 48. mysterious, 49. presence

50. In junior high school, we had to dissect a frog in _____ class.

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

51. Pardon me for leaving some of your questions _____.

adj. not responded to or explained

52. 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

53. They study the _____ of the universe.

n. a gradual process of transformation of living things

54. That astronomical _____ stands at the top of the mountain.

n. a building designed and equipped to observe the planets, the stars, the weather, etc.

55. Bell-bottom jeans, once considered _____ fashion, have made a surprising comeback in recent years.

adj. no longer fashionable or current; outdated; considered to be old-fashioned or out of date

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

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

57. The feminist _____ criticized traditional models of gender roles and argued for greater equality between the sexes.

n. a person who develops or formulates theories about a particular subject, especially in the sciences or social sciences; someone who engages in theoretical thinking or speculation

ANSWERS: 50. biology, 51. unanswered, 52. universe, 53. evolution, 54. observatory, 55. passe, 56. accelerate, 57. theorist

58. His _____ showed highly positive results.
n. the scientific test conducted to observe what happens and gain new knowledge
59. We heard their _____ laments throughout the night.
adj. making people feel sorrow or sympathy; very small or poor
60. Dolphins use sound to _____ with each other.
v. to share or exchange information with others by speaking, writing, moving your body, or using other signals
61. The ____ section of the ship suffered significant damage after the collision with the reef.
adj. (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
62. There was a _____ of silence about illegal police interrogation.
n. a secret agreement between two or more people to perform something harmful or illegal
63. 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
64. During _____ farmers are incredibly busy.
n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm
65. Refined character portrayal makes up for _____ gameplay.
adj. heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement

ANSWERS: 58. experiments, 59. pitiful, 60. communicate, 61. aft, 62. conspiracy, 63. planet, 64. harvest, 65. clunky

66. She _____ her husband for many years.

v. to live longer than another person

67. _____ species have drastically altered the ecosystem in this area.

n. a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere

68. The moment the glacier collapses is an _____ sight.

adj. making you feel great respect or admiration through being impressive or formidable

69. 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

70. We must _____ a new system to streamline our workflow and increase efficiency.

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

71. The _____ remains mysterious to us.

n. a type of question that describes something in a difficult and confusing way, and that has a surprising answer, often asked as a game

72. He _____ misleads others.

adv. done in an intentional or slow and careful manner

73. The era of the industrial revolution was a crucial _____ of history.

n. any stage in a series of events, change, or development

ANSWERS: 66. outlived, 67. Alien, 68. awe-inspiring, 69. bang, 70. develop, 71. riddle, 72. deliberately, 73. phase

74. The extinction of several subspecies has been linked to climate change and habitat _____.
- n.* the act of causing so much damage to something
75. Scientists are constantly searching for signs of _____ life in the universe.
- adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
76. The project's _____ made it difficult for the team to complete it on time.
- n.* the state or quality of being complicated or intricate and difficult to understand
77. He spent only a _____ of his earnings.
- n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
78. The salmon swims upstream to _____ in the place they were released.
- v.* to lay eggs or to produce offspring; to cause something to develop
79. 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
80. The golfer recorded an _____ distance.
- adj.* extremely surprising, especially in a way that you like or admire
81. Inspectors noticed _____ cracks in the submarine's hull.
- adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy

ANSWERS: 74. destruction, 75. extraterrestrial, 76. complexity, 77. fraction, 78. spawn, 79. claim, 80. amazing, 81. microscopic

82. We can resolve support requests quickly and _____ by utilization of AI.
adv. in a way that produces maximum output with minimum effort or expense
83. The following example _____ that the capacity of each battery is the same.
v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
84. 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
85. The problem with achievement tests is the narrowness they _____ on students.
v. to officially force a new law, tax, duty, etc. to be obeyed or received
86. Too _____ a regulation for the private sector will stifle innovation.
adj. strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
87. One light year is nearly 6 _____ miles.
n. the number 1,000,000,000,000; a million million
88. Don't _____ your mosquito bites.
v. to cut or damage the surface of something or the skin with a sharp or pointed object
89. An X-ray _____ can determine the composition of the elements in a sample.
n. an optical instrument used for spectrographic analysis (= measurement of properties of light over a specific portion of the electromagnetic spectrum)

ANSWERS: 82. efficiently, 83. assumes, 84. galaxy, 85. impose, 86. strict, 87. trillion, 88. scratch, 89. spectroscope

ANSWERS: