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Vocabulary Builder Reference from...

Frederic Kaplan: How to build an information time machine | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

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.

zoom

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

synonym: move quickly, dive, buzz

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

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

instance

n. a particular example or single occurrence of something

synonym: example, sample, illustration

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

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

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.

lab *n.* a workplace for the conduct of scientific research; a laboratory
synonym: workshop, laboratory, research chamber
(1) **lab** instrument, (2) medical **lab**
The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.

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.

slide *v.* to move or cause to move smoothly along a surface without interruption
synonym: glide, drift, drop
(1) **slide** a card across the table, (2) **slide** a glance
If necessary, you can **slide** the front seats forward.

reconstruct *v.* to build or form something again that has been damaged or destroyed
synonym: rebuild, revamp, reorganize
(1) **reconstruct** an image, (2) **reconstruct** the original text
They've decided to **reconstruct** a ruined castle.

mushroom *n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap
synonym: fungus, toadstool
(1) **mushroom** spores, (2) **mushroom** cultivation
The **mushroom** risotto was delicious, but I couldn't identify all the mushrooms in it.

vertical

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

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

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

horizontal

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

synonym : even, lying, parallel

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

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

digital

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

synonym : numerical, computerized, cyber

(1) a **digital** watch, (2) **digital** electronic signature

Sensors convert physical phenomena into **digital** signals.

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.

enlarge

v. to make something bigger or larger; to become bigger or larger

synonym : broaden, increase, widen

(1) **enlarge** a photograph, (2) **enlarge** my experience

Please **enlarge** your new theory.

rectangle

n. a four-sided geometric shape with four right angles, where opposite sides are parallel and of equal length

synonym : oblong, square, quadrangle

(1) orthogonal **rectangle**, (2) **rectangle** box

The living room had a **rectangle-shaped** coffee table in the center of it.

digit

n. one of the elements that collectively form a system of numeration; a finger, thumb, or toe

synonym: number, integer, numeral

(1) **digit** identifier, (2) the **digit** in the hundreds place

We must enter a six- **digit** number to unlock the safe.

extract

n. a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

synonym: excerpt, quote, distillation

(1) a brief **extract** from the book, (2) botanical **extract**

Anesthetize the gum before **extracting** the teeth.

historic

adj. famous or significant in history, or potentially so

synonym: memorable, momentous, historical

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

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

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.

captain

n. the leader of a group of people, especially who is in charge of a ship or aircraft

synonym: boss, director, leader

(1) the **captain** of an opposing team, (2) **captain** of industry

The **captain** ordered the troops to fire.

representative

n. someone who speaks or acts officially on behalf of another person or group of people

synonym : spokesperson, agent, delegate

(1) an official **representative**, (2) sales **representative**

The media **representatives** had special passes.

facade

n. the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant

synonym : front, camouflage, masquerade

(1) the outside **facade** of a castle, (2) **facade** of wealth

A gentle **facade** concealed his powerfulness.

grammar

n. the set of structural constraints on speakers' or writers' composition of clauses, phrases, and words

synonym : syntax, elements

(1) **grammar** checker, (2) Latin **grammar**

Mastering **grammar** takes a lot of time for those learning a foreign language.

construct

v. to build or create something; to assemble or combine different parts to form something whole

synonym : build, assemble, create

(1) **construct** a 3D image, (2) **construct** a dam

He **constructs** hypotheses that no mathematician has ever imagined before.

archives

n. a collection of historical documents or records providing information about a place, institution, or group of people

synonym : records, documents, repository

(1) historical **archives**, (2) digital **archives**

The **archives** at the library contain a wealth of information about the city's history.

specialize

v. to become an expert in a specific career field, study, or business

synonym : narrow down, particularize

(1) **specialize** in child care, (2) **specialize** in market research

The restaurant has chefs who **specialize** in beef.

joint

adj. shared, held, or made between two or more people;
(noun) the point of connection between two bones or elements of a skeleton

synonym: collaborative, cooperative, combined

(1) a **joint** venture, (2) the bone of a **joint**

After the summit meeting, the prime ministers issued a **joint** statement.

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.

administer

v. to oversee and control the operation or arrangement of something

synonym: allocate, distribute, dispense

(1) **administer** justice, (2) **administer** the funds

After the accident, three governmental bodies **administer** the company.

bureaucracy

n. a system of government in which most of the important decisions are made by state officials rather than by elected representatives

synonym: administration, government, system

(1) government **bureaucracy**, (2) arbitrary **bureaucracy**

The bumbling **bureaucracy** made it difficult to get the permits we needed.

aspect

n. one part or feature of a situation, problem, subject, etc.

synonym: characteristic, element, factor

(1) nontechnical **aspects** of the job, (2) **aspects** of social, political, and economic life

His professional experience includes all **aspects** of media production.

transform

v. to change in outward structure or looks;

synonym: alter, convert, change

(1) **transform** an education system, (2) **transform** heat into power

My father's death **transformed** my life completely.

immense

adj. extremely large or great

synonym: enormous, giant, huge

(1) **immense** amount, (2) **immense** pressure

He left his wife an **immense** fortune.

arch

n. a curved structure with two supports that holds the weight of something above it, such as a bridge or the upper part of a building

synonym: turn, bow, arc

(1) the **arch** of a person's foot, (2) an **arch-shaped** stone structure

The **arch** bears the weight of the overhead bridge.

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.

dialect

n. a form of a language that is spoken in a particular geographical area or by a particular group of people and has distinguishing characteristics

synonym: accent, language, vernacular

(1) a local **dialect**, (2) minority **dialect**

The **dialect** spoken in the region differed from other parts of the country.

transcribe

v. to copy or reproduce something in written or printed form; to translate spoken language into written text

synonym: copy, record, transliterate

(1) **transcribe** notes, (2) **transcribe** documents

She needs to **transcribe** the interview recording to write the article for the magazine.

translate

v. to convert or change words into another language

synonym: convert, transcribe, render

(1) **translate** a document into English, (2) **translate** the emotion to a movement

Translate the text from Italian into English.

index

n. a list of items, such as names, subjects, or keywords, that is arranged in a particular order and is usually found at the end of a book or document; a number or symbol that indicates the value or level of something, such as a stock index or a temperature index

synonym: list, directory, indicator

(1) a full-text **index**, (2) health **index**

The stock market **index** measures the performance of a group of stocks.

tradition

n. a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

synonym: custom, practice, ritual

(1) a **tradition** of a culture, (2) against **tradition**

It is a **tradition** in many families to have a big Thanksgiving dinner with all their relatives.

optical

adj. of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light

synonym: visual, ocular

(1) new **optical** glasses, (2) **optical** fiber

The **optical** illusion made it appear like the building was

floating in midair.

recognition

n. the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal

synonym : acknowledgement, identification, credit

(1) **recognition** award, (2) joint **recognition**

He was given **recognition** for his outstanding work in the field of medicine.

manuscript

n. the original copy of a book, piece of music, etc. before it is printed

synonym : script

(1) **manuscript** of a book, (2) ancient **manuscript**

The widow of a deceased writer discovered an incomplete novel **manuscript** in his room.

handwritten

adj. written with a pen or pencil rather than typed

(1) **handwritten** character, (2) **handwritten** signature

The letter was written in **handwritten** script and had a personal touch.

inspiration

n. something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

synonym : motivation, drive, encouragement

(1) source of **inspiration**, (2) get **inspiration** from nature

He found **inspiration** in the works of his favorite authors.

domain

n. a specific sphere of influence or control; a specific field of knowledge or expertise

synonym : territory, realm, sphere

(1) **domain** of use, (2) a dependent **domain**

The company's **domain** in the market was expanding to new territories.

addition

n. the act or process of adding something to something else; the process of adding numbers

synonym: accumulation, expansion, addendum

(1) chemical **addition**, (2) **addition** of vectors

In **addition**, private corporations provide healthcare services.

constraint

n. a limit or restriction on something, such as an action, behavior, or thought

synonym: limitation, restriction, bound

(1) **constraint** on business activity, (2) strict time

constraints

The budget **constraint** forced them to make difficult decisions.

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.

divide

v. to separate or cause to separate into parts or groups

synonym: separate, disconnect, split

(1) **divide** the cake into two pieces, (2) **divide** money equally

Can you **divide** 123321 by eleven?

subset

n. a set of things that are contained within another larger set; a portion or division of a group or category

synonym: subcategory, subdivision

(1) proper **subset**, (2) **subset** selection

A **subset** of the employees will be trained in the new software program.

- feat** *n.* a notable or impressive achievement, especially one that requires great skill or bravery
synonym : achievement, accomplishment, exploit
(1) intellectual **feat**, (2) **feat** accomplishment
It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.
- palace** *n.* the residence of a high-ranking official such as a king, queen, etc.
synonym : mansion, manor, castle
(1) a **palace** garden, (2) ancestral **palace**
The imperial **palace** is currently undergoing reforms.
- salary** *n.* a fixed amount of money that employees, especially those who work in an office, receive for doing their job, usually paid every month
synonym : compensation, earnings, pay
(1) a handsome **salary**, (2) **salary** after taxes
What are your annual **salary** expectations?
- semantics** *n.* the branch of linguistics and logic concerned with meaning
synonym : meaning, connotation, denotation
(1) lexical **semantics**, (2) information **semantics**
The **semantics** of the sentence could have been clearer and easier to understand.
- spatial** *adj.* of or relating space and the position, area, and size of things
synonym : dimensional, geographical
(1) **spatial** ability, (2) **spatial** distribution
He carefully determined the **spatial** relations of every piece of the stage set.
- 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.

sustainable

adj. able to continue or be continued for a long time
synonym: continuable, endurable, tolerable

(1) **sustainable** alternative fuel, (2) principles of **sustainable** development

The government should do more to support environmentally **sustainable** agriculture.

equilibrium

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

synonym: balance, stability, harmony

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

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

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**.

visualize

v. to form a mental image or concept of something; to make something visible

synonym: imagine, picture, envision

(1) **visualize** data, (2) **visualize** flying through space

She tried to **visualize** the layout of the new house in her mind.

context

n. the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning

synonym: background, setting, environment

(1) historical **context**, (2) legal **context**

It's important to understand the **context** of a situation before making a decision.

maritime

adj. relating to or connected with the sea, especially about shipping, navigation, or commercial activity

synonym : naval, seafaring, oceanic

(1) **maritime** trade, (2) **maritime** law

The city's economy relies heavily on the **maritime** industry and its port.

empire

n. a group of countries ruled by one leader or government

synonym : imperium, conglomerate, kingdom

(1) **empire** building, (2) **empire** of the Maya

He has built a thriving e-commerce **empire**.

progressive

adj. relating to or supporting development or advancement, especially social or political one

synonym : advanced, forward-thinking, modern

(1) **progressive** taxation, (2) **progressive** development

The **progressive** approach to education emphasizes hands-on learning and student-centered classrooms.

medieval

adj. relating to or belonging to the Middle Age that is for the period of A.D.600 to A.D. 1450

synonym : gothic, knightly, antique

(1) **medieval** times, (2) **medieval** history

Only the **medieval** tower remained standing.

probable

adj. likely to happen or likely to be true

synonym : likely, possible, potential

(1) **probable** outcome, (2) **probable** cause of a fire

It seems **probable** that he has forgotten our scheduled meeting.

precision

n. the quality or condition of being exact and accurate

synonym : accuracy, exactness, rigor

(1) a **precision** instrument, (2) speak with **precision**
This operation requires both patience and **precision**.

encounter

v. to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly

synonym: meet, run into, come across

(1) **encounter** a crisis, (2) **encounter** a storm

I'm prepared to **encounter** challenges throughout this adventure.

pirate

n. (especially in the past) a person who attacks and robs ships at sea

synonym: buccaneer, corsair, privateer

(1) **pirate** treasure, (2) video **pirate**

The **pirate** captain ordered his crew to attack the merchant ship.

qualify

v. to reach the standard or fulfill the requirement of ability or knowledge needed to do a particular job or receive a particular benefit or privilege

synonym: permit, authorize, allow

(1) **qualify** as a candidate, (2) **qualify** for membership

The top three teams in this tournament **qualify** for the Olympics.

quants

n. quantitative analysts or individuals who specialize in using quantitative methods, including mathematical and statistical modeling, in analyzing financial markets and making investment decisions

synonym: quantitative analysts, number crunchers, data scientists

(1) the team of **quants**, (2) industry **quants**

Many financial **quants** work in investment banks, using complex mathematical models to analyze financial data.

represent

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

synonym : depict, express, describe

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

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

uncertain

adj. not being sure of something; not being able to choose

synonym : doubtful, skeptical, pending

(1) numerous **uncertain** factors, (2) take an **uncertain** attitude

She was **uncertain** about her friend's intentions.

inconsistent

adj. not remaining constant or in agreement

synonym : conflicting, discrepant, contrary

(1) **inconsistent** results, (2) **inconsistent** with the roadmap

This lawsuit appears to be unfair and **inconsistent**.

process

n. a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

synonym : procedure, method, system

(1) **process** improvement, (2) decision-making **process**

The **process** for applying for a visa can be lengthy and complicated.

interpret

v. to explain or assign the meaning of information, actions, etc.

synonym : decode, decipher, analyze

(1) **interpret** a graph, (2) **interpret** the question

Different people might **interpret** this news differently.

bias

n. a strong feeling in favor of or against one group of people, an idea, or thing, often not based on fair judgment

synonym : inclination, partiality, predilection

(1) **bias** against a big company, (2) have a **bias** toward socialism

She researched gender **bias** in politics.

algorithm

n. a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation

synonym: logic, method, rule

(1) the RSA **algorithm**, (2) **algorithm** for image processing

We can evaluate the performance of an **algorithm** in terms of computation time.

detect

v. to find or recognize something, especially something difficult to see, hear, etc.

synonym: catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders

The security camera has **detected** four intruders.

meta

adj. pertaining to or involving a higher or more abstract level of analysis, interpretation, or self-reference, often used to describe aspects of gaming, social media, or other online communities that involve self-conscious or self-referential elements

synonym: self-referential, introspective, recursive

(1) **meta-analysis**, (2) **meta-language**

The **meta** description of a website is an important element for search engine optimization.

converge

v. to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet

synonym: congregate, assemble, concentrate

(1) **converge** of a series, (2) **converge** from different points

The two rivers **converge** into one near this area.

database

n. a large amount of data stored in a computer system in such a way that it can be searched and updated easily

(1) **database** administrator, (2) employee **database**

Each country's officials can access the central **database**.

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.

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**.

reconstruction

n. the process of rebuilding or repairing something that has been damaged or destroyed or of restoring something to its original condition

synonym: rebuilding, remodeling, renovation

(1) **reconstruction** aid, (2) **reconstruction** aid

The government announced a plan for the **reconstruction** of the city's infrastructure.

immerse

v. to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered

synonym: dip, inundate, submerge

(1) **immerse** the cloth in the dye, (2) completely **immerse** the ingredient

He **immersed** himself in his research.

permit

v. to allow for something to happen or be done; (noun) the act of giving a formal, usually written, authorization

synonym: allow, authorize, concede

(1) **permit** application, (2) work **permit**

The teacher will not **permit** any students to leave the classroom early.

dive

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

synonym: dip, leap, plunge

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

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

contrary

n. acting in opposition to what is expected or desired

synonym: opposing, contradictory, conflicting

(1) the clear **contrary**, (2) **contrary** evidence

The two sides argued their points, but the judge ultimately sided with the **contrary** viewpoint.

decode

v. to convert something, such as a message or piece of information, from a specific form into one that you can understand

synonym: decipher, translate, interpret

(1) **decode** a message, (2) ability to **decode** the differences

The software could **decode** the encrypted data and reveal the hidden information.

recreate

v. to make something that existed previously happen or appear to exist again

synonym: renovate, vivify, revive

(1) **recreate** a single country, (2) **recreate** the feeling of the 1920s

She **recreated** the atmosphere of the pre-war age with her stage setting.

exhibit

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

synonym: display, expose, show

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

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

conduct

v. to organize and carry out a particular activity

synonym: behave, lead, carry on

(1) **conduct** a background check, (2) **conduct** research
Police will **conduct** random breath testing for drunk driving.

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.

undergo

v. to go through something unpleasant or that involves a change

synonym: experience, suffer, endure

(1) **undergo** surgery, (2) **undergo** a decrease
The train has to **undergo** rigorous safety checks.

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.

paradigm

n. a standard or typical example of something; a pattern or model

synonym: example, standard, epitome

(1) major **paradigm** shift, (2) cultural **paradigm**
He postulated a completely different **paradigm** to explain all these phenomena.

shift

n. a slight transition in position, direction, or trend

synonym: transition, change, modification

(1) Doppler **shift**, (2) major paradigm **shift**
Could you help me **shift** some furniture?

foster

v. to promote growth; to take care of another person's child, usually for a limited time, without becoming their legal parents

synonym: nurture, nourish, cultivate

(1) **foster** a better relationship, (2) **foster** two kids
The pastor contributed to **fostering** the sense of a community embracing all classes.

humanist

n. a person who is concerned with the welfare and rights of all human beings; one who believes in the inherent worth and dignity of every person and stresses the importance of human values and ethical principles

synonym: humanitarian, philanthropist, altruist

(1) **humanist** scholar, (2) **humanist** philosophy
The **humanist** counselor encouraged her clients to focus on their growth and well-being.

Session 2: Spelling

- | | |
|--------------------------------|--|
| 1. a dependent do___n | <i>n.</i> a specific sphere of influence or control; a specific field of knowledge or expertise |
| 2. rec_____ct an image | <i>v.</i> to build or form something again that has been damaged or destroyed |
| 3. the a__h of a person's foot | <i>n.</i> a curved structure with two supports that holds the weight of something above it, such as a bridge or the upper part of a building |
| 4. a local di_____t | <i>n.</i> a form of a language that is spoken in a particular geographical area or by a particular group of people and has distinguishing characteristics |
| 5. co_____ct a dam | <i>v.</i> to build or create something; to assemble or combine different parts to form something whole |
| 6. en_____er a crisis | <i>v.</i> to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly |
| 7. information se_____cs | <i>n.</i> the branch of linguistics and logic concerned with meaning |
| 8. industry qu___s | <i>n.</i> quantitative analysts or individuals who specialize in using quantitative methods, including mathematical and statistical modeling, in analyzing financial markets and making investment decisions |

ANSWERS: 1. domain, 2. reconstruct, 3. arch, 4. dialect, 5. construct, 6. encounter, 7. semantics, 8. quants

9. the bone of a jo__t *adj.* shared, held, or made between two or more people; (noun) the point of connection between two bones or elements of a skeleton
10. sus_____le alternative fuel *adj.* able to continue or be continued for a long time
11. ca_____n of industry *n.* the leader of a group of people, especially who is in charge of a ship or aircraft
12. re_____te the feeling of the 1920s *v.* to make something that existed previously happen or appear to exist again
13. su____t selection *n.* a set of things that are contained within another larger set; a portion or division of a group or category
14. in_____et a graph *v.* to explain or assign the meaning of information, actions, etc.
15. pe_____ar way *adj.* odd and uncommon, sometimes in an unpleasant way
16. d__e off a cliff *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
17. tr_____te a document into English *v.* to convert or change words into another language
18. fo____r a better relationship *v.* to promote growth; to take care of another person's child, usually for a limited time, without becoming their legal parents
19. f__t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery

ANSWERS: 9. joint, 10. sustainable, 11. captain, 12. recreate, 13. subset, 14. interpret, 15. peculiar, 16. dive, 17. translate, 18. foster, 19. feat

20. en____e a photograph *v.* to make something bigger or larger; to become bigger or larger
21. digital ar____es *n.* a collection of historical documents or records providing information about a place, institution, or group of people
22. his conclusion was ob____s *adj.* easy to see, discover or understand
23. legal co____t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
24. tra____be documents *v.* to copy or reproduce something in written or printed form; to translate spoken language into written text
25. ev____on theory *n.* a gradual process of transformation of living things
26. intellectual f__t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
27. z__m lens *v.* to move along very quickly; (noun) the act of rising upward into the air
28. al____hm for image processing *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
29. spe____ze in market research *v.* to become an expert in a specific career field, study, or business
30. nontechnical as____ts of the job *n.* one part or feature of a situation, problem, subject, etc.
31. da____se administrator *n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily

ANSWERS: 20. enlarge, 21. archives, 22. obvious, 23. context, 24. transcribe, 25. evolution, 26. feat, 27. zoom, 28. algorithm, 29. specialize, 30. aspect, 31. database

32. un_____o a decrease *v.* to go through something unpleasant or that involves a change
33. co_____ge from different points *v.* to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet
34. mu_____om spores *n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap
35. botanical ex_____t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
36. a pa_____e garden *n.* the residence of a high-ranking official such as a king, queen, etc.
37. im_____e the cloth in the dye *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
38. sl__e a glance *v.* to move or cause to move smoothly along a surface without interruption
39. pe____t application *v.* to allow for something to happen or be done; (noun) the act of giving a formal, usually written, authorization
40. pro_____ve development *adj.* relating to or supporting development or advancement, especially social or political one
41. tr_____rm heat into power *v.* to change in outward structure or looks;

ANSWERS: 32. undergo, 33. converge, 34. mushroom, 35. extract, 36. palace, 37. immerse, 38. slide, 39. permit, 40. progressive, 41. transform

42. re_____nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
43. sp_____l distribution *adj.* of or relating space and the position, area, and size of things
44. the RSA al_____hm *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
45. government bur_____cy *n.* a system of government in which most of the important decisions are made by state officials rather than by elected representatives
46. proper su_____t *n.* a set of things that are contained within another larger set; a portion or division of a group or category
47. me_____al history *adj.* relating to or belonging to the Middle Age that is for the period of A.D.600 to A.D. 1450
48. principles of sus_____le development *adj.* able to continue or be continued for a long time
49. qu_____y for membership *v.* to reach the standard or fulfill the requirement of ability or knowledge needed to do a particular job or receive a particular benefit or privilege
50. ex_____t a great talent *v.* to show something in public for people to enjoy or to provide them with information
51. z__m in on a photo *v.* to move along very quickly; (noun) the act of rising upward into the air

ANSWERS: 42. represent, 43. spatial, 44. algorithm, 45. bureaucracy, 46. subset, 47. medieval, 48. sustainable, 49. qualify, 50. exhibit, 51. zoom

52. 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
53. a jo__t venture *adj.* shared, held, or made between two or more people; (noun) the point of connection between two bones or elements of a skeleton
54. 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
55. hor_____al lines *adj.* parallel to the ground or in a baseline; being at the same level as all members of a group
56. an official rep_____ive *n.* someone who speaks or acts officially on behalf of another person or group of people
57. video pi___e *n.* (especially in the past) a person who attacks and robs ships at sea
58. han_____en signature *adj.* written with a pen or pencil rather than typed
59. tr_____te the emotion to a movement *v.* to convert or change words into another language
60. an a__h-shaped stone structure *n.* a curved structure with two supports that holds the weight of something above it, such as a bridge or the upper part of a building

ANSWERS: 52. planet, 53. joint, 54. develop, 55. horizontal, 56. representative, 57. pirate, 58. handwritten, 59. translate, 60. arch

61. b__s against a big company *n.* a strong feeling in favor of or against one group of people, an idea, or thing, often not based on fair judgment
62. 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
63. sales rep_____ive *n.* someone who speaks or acts officially on behalf of another person or group of people
64. co_____de a meeting *v.* to come to an end or close; to reach a judgment or opinion by reasoning
65. common in_____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
66. rec_____ct the original text *v.* to build or form something again that has been damaged or destroyed
67. sp_____l ability *adj.* of or relating space and the position, area, and size of things
68. cultural pa_____gm *n.* a standard or typical example of something; a pattern or model
69. co_____ge of a series *v.* to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet
70. the clear co_____ry *n.* acting in opposition to what is expected or desired
71. de____t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.

ANSWERS: 61. bias, 62. structure, 63. representative, 64. conclude, 65. invention, 66. reconstruct, 67. spatial, 68. paradigm, 69. converge, 70. contrary, 71. detect

72. em___e building *n.* a group of countries ruled by one leader or government
73. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
74. man_____pt of a book *n.* the original copy of a book, piece of music, etc. before it is printed
75. achieve the hi___ic feat *adj.* famous or significant in history, or potentially so
76. di__t identifier *n.* one of the elements that collectively form a system of numeration; a finger, thumb, or toe
77. un_____o surgery *v.* to go through something unpleasant or that involves a change
78. en_____e my experience *v.* to make something bigger or larger; to become bigger or larger
79. historical co_____t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
80. di___e the cake into two pieces *v.* to separate or cause to separate into parts or groups
81. ext_____ary ability *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
82. qu_____y as a candidate *v.* to reach the standard or fulfill the requirement of ability or knowledge needed to do a particular job or receive a particular benefit or privilege
83. ma_____me law *adj.* relating to or connected with the sea, especially about shipping, navigation, or commercial activity

ANSWERS: 72. empire, 73. communicate, 74. manuscript, 75. historic, 76. digit, 77. undergo, 78. enlarge, 79. context, 80. divide, 81. extraordinary, 82. qualify, 83. maritime

84. for in_____ce *n.* a particular example or single occurrence of something
85. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
86. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
87. notable in_____ce *n.* a particular example or single occurrence of something
88. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
89. do____n of use *n.* a specific sphere of influence or control; a specific field of knowledge or expertise
90. me_____al times *adj.* relating to or belonging to the Middle Age that is for the period of A.D.600 to A.D. 1450
91. human ev_____on *n.* a gradual process of transformation of living things
92. hu_____st scholar *n.* a person who is concerned with the welfare and rights of all human beings; one who believes in the inherent worth and dignity of every person and stresses the importance of human values and ethical principles
93. ve_____al takeoff *adj.* upright or perpendicular to a horizontal surface or line
94. ability to de____e the differences *v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand

ANSWERS: 84. instance, 85. lab, 86. lab, 87. instance, 88. amazing, 89. domain, 90. medieval, 91. evolution, 92. humanist, 93. vertical, 94. decode

95. adm_____er justice *v.* to oversee and control the operation or arrangement of something
96. ext_____ary weather *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
97. m__a-language *adj.* pertaining to or involving a higher or more abstract level of analysis, interpretation, or self-reference, often used to describe aspects of gaming, social media, or other online communities that involve self-conscious or self-referential elements
98. fa___e of wealth *n.* the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant
99. gi__t trees *adj.* enormous; much bigger or more important than similar items usually are
100. spe_____ze in child care *v.* to become an expert in a specific career field, study, or business
101. fo___r two kids *v.* to promote growth; to take care of another person's child, usually for a limited time, without becoming their legal parents
102. inc_____ent with the roadmap *adj.* not remaining constant or in agreement
103. 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
104. source of ins_____on *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

ANSWERS: 95. administer, 96. extraordinary, 97. meta, 98. facade, 99. giant, 100. specialize, 101. foster, 102. inconsistent, 103. structure, 104. inspiration

105. di_____l electronic signature *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
106. han_____en character *adj.* written with a pen or pencil rather than typed
107. a tr_____on of a culture *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
108. re_____le box *n.* a four-sided geometric shape with four right angles, where opposite sides are parallel and of equal length
109. co_____ry evidence *n.* acting in opposition to what is expected or desired
110. speak with pr_____on *n.* the quality or condition of being exact and accurate
111. numerous un_____in factors *adj.* not being sure of something; not being able to choose
112. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
113. im_____e pressure *adj.* extremely large or great

ANSWERS: 105. digital, 106. handwritten, 107. tradition, 108. rectangle, 109. contrary, 110. precision, 111. uncertain, 112. process, 113. immense

114. Latin gr____r *n.* the set of structural constraints on speakers' or writers' composition of clauses, phrases, and words
115. rec_____on award *n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
116. hu____st philosophy *n.* a person who is concerned with the welfare and rights of all human beings; one who believes in the inherent worth and dignity of every person and stresses the importance of human values and ethical principles
117. as____ts of social, political, and economic life *n.* one part or feature of a situation, problem, subject, etc.
118. inc_____ent results *adj.* not remaining constant or in agreement
119. take an un_____in attitude *adj.* not being sure of something; not being able to choose
120. vi_____ze flying through space *v.* to form a mental image or concept of something; to make something visible
121. the most am____g feeling *adj.* extremely surprising, especially in a way that you like or admire
122. ad____on of vectors *n.* the act or process of adding something to something else; the process of adding numbers
123. gr____r checker *n.* the set of structural constraints on speakers' or writers' composition of clauses, phrases, and words

ANSWERS: 114. grammar, 115. recognition, 116. humanist, 117. aspect, 118. inconsistent, 119. uncertain, 120. visualize, 121. amazing, 122. addition, 123. grammar

124. the outside fa___e of a castle *n.* the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant
125. 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
126. pr___le cause of a fire *adj.* likely to happen or likely to be true
127. op___l fiber *adj.* of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light
128. against tr_____on *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
129. ext_____te the results *v.* to guess or think about what might happen or estimate something using the facts that you have now
130. m__a-analysis *adj.* pertaining to or involving a higher or more abstract level of analysis, interpretation, or self-reference, often used to describe aspects of gaming, social media, or other online communities that involve self-conscious or self-referential elements
131. hi___ic accomplishment *adj.* famous or significant in history, or potentially so

ANSWERS: 124. facade, 125. planet, 126. probable, 127. optical, 128. tradition, 129. extrapolate, 130. meta, 131. historic

132. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
133. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
134. in_____et the question *v.* to explain or assign the meaning of information, actions, etc.
135. co_____t research *v.* to organize and carry out a particular activity
136. completely im_____e the ingredient *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
137. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
138. ancestral pa_____e *n.* the residence of a high-ranking official such as a king, queen, etc.
139. lexical se_____cs *n.* the branch of linguistics and logic concerned with meaning
140. de_____e a message *v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand

ANSWERS: 132. invention, 133. process, 134. interpret, 135. conduct, 136. immerse, 137. environment, 138. palace, 139. semantics, 140. decode

141. gi__t tech company *adj.* enormous; much bigger or more important than similar items usually are
142. political equ_____um *n.* a state in which opposing forces or influences are balanced
143. the di__t in the hundreds place *n.* one of the elements that collectively form a system of numeration; a finger, thumb, or toe
144. major paradigm sh__t *n.* a slight transition in position, direction, or trend
145. chemical ad_____on *n.* the act or process of adding something to something else; the process of adding numbers
146. a pr_____on instrument *n.* the quality or condition of being exact and accurate
147. employee da_____se *n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily
148. sa___y after taxes *n.* a fixed amount of money that employees, especially those who work in an office, receive for doing their job, usually paid every month
149. ve_____al axis *adj.* upright or perpendicular to a horizontal surface or line
150. mu_____om cultivation *n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap
151. ext_____te animal dose *v.* to guess or think about what might happen or estimate something using the facts that you have now

ANSWERS: 141. giant, 142. equilibrium, 143. digit, 144. shift, 145. addition, 146. precision, 147. database, 148. salary, 149. vertical, 150. mushroom, 151. extrapolate

152. new op_____l glasses
adj. of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light
153. em____e of the Maya
n. a group of countries ruled by one leader or government
154. ancient man_____pt
n. the original copy of a book, piece of music, etc. before it is printed
155. rec_____ion aid
n. the process of rebuilding or repairing something that has been damaged or destroyed or of restoring something to its original condition
156. hor_____al stripes
adj. parallel to the ground or in a baseline; being at the same level as all members of a group
157. vi_____ze data
v. to form a mental image or concept of something; to make something visible
158. ma_____me trade
adj. relating to or connected with the sea, especially about shipping, navigation, or commercial activity
159. orthogonal re_____le
n. a four-sided geometric shape with four right angles, where opposite sides are parallel and of equal length
160. re_____te a single country
v. to make something that existed previously happen or appear to exist again
161. joint rec_____on
n. the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal

ANSWERS: 152. optical, 153. empire, 154. manuscript, 155. reconstruction, 156. horizontal, 157. visualize, 158. maritime, 159. rectangle, 160. recreate, 161. recognition

162. pe____ar people *adj.* odd and uncommon, sometimes in an unpleasant way
163. ex____t a bad attitude *v.* to show something in public for people to enjoy or to provide them with information
164. pro____ve taxation *adj.* relating to or supporting development or advancement, especially social or political one
165. minority di____t *n.* a form of a language that is spoken in a particular geographical area or by a particular group of people and has distinguishing characteristics
166. pr____le outcome *adj.* likely to happen or likely to be true
167. have a b__s toward socialism *n.* a strong feeling in favor of or against one group of people, an idea, or thing, often not based on fair judgment
168. co____ct a 3D image *v.* to build or create something; to assemble or combine different parts to form something whole
169. tra____be notes *v.* to copy or reproduce something in written or printed form; to translate spoken language into written text
170. a di____l watch *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
171. a full-text in__x *n.* a list of items, such as names, subjects, or keywords, that is arranged in a particular order and is usually found at the end of a book or document; a number or symbol that indicates the value or level of something, such as a stock index or a temperature index

ANSWERS: 162. peculiar, 163. exhibit, 164. progressive, 165. dialect, 166. probable, 167. bias, 168. construct, 169. transcribe, 170. digital, 171. index

172. d__e into anime communities *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
173. strict time con_____nts *n.* a limit or restriction on something, such as an action, behavior, or thought
174. a handsome sa____y *n.* a fixed amount of money that employees, especially those who work in an office, receive for doing their job, usually paid every month
175. tr_____rm an education system *v.* to change in outward structure or looks;
176. im_____e amount *adj.* extremely large or great
177. 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
178. the team of qu____s *n.* quantitative analysts or individuals who specialize in using quantitative methods, including mathematical and statistical modeling, in analyzing financial markets and making investment decisions
179. co_____de that he is healthy *v.* to come to an end or close; to reach a judgment or opinion by reasoning
180. a brief ex_____t from the book *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

ANSWERS: 172. dive, 173. constraint, 174. salary, 175. transform, 176. immense, 177. develop, 178. quants, 179. conclude, 180. extract

181. ob____s reasons *adj.* easy to see, discover or understand
182. historical ar____es *n.* a collection of historical documents or records providing information about a place, institution, or group of people
183. pi____e treasure *n.* (especially in the past) a person who attacks and robs ships at sea
184. di____e money equally *v.* to separate or cause to separate into parts or groups
185. sl__e a card across the table *v.* to move or cause to move smoothly along a surface without interruption
186. env____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
187. co____t a background check *v.* to organize and carry out a particular activity
188. work pe____t *v.* to allow for something to happen or be done; (noun) the act of giving a formal, usually written, authorization
189. adm____er the funds *v.* to oversee and control the operation or arrangement of something
190. arbitrary bur____cy *n.* a system of government in which most of the important decisions are made by state officials rather than by elected representatives
191. major pa____gm shift *n.* a standard or typical example of something; a pattern or model
192. 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

ANSWERS: 181. obvious, 182. archives, 183. pirate, 184. divide, 185. slide, 186. environment, 187. conduct, 188. permit, 189. administer, 190. bureaucracy, 191. paradigm, 192. communicate

193. Doppler sh__t *n.* a slight transition in position, direction, or trend
194. get ins_____on from nature *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
195. de___t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
196. equ_____um point *n.* a state in which opposing forces or influences are balanced
197. con_____nt on business activity *n.* a limit or restriction on something, such as an action, behavior, or thought
198. health in__x *n.* a list of items, such as names, subjects, or keywords, that is arranged in a particular order and is usually found at the end of a book or document; a number or symbol that indicates the value or level of something, such as a stock index or a temperature index
199. the characters that re_____nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
200. en_____er a storm *v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
201. the ca_____n of an opposing team *n.* the leader of a group of people, especially who is in charge of a ship or aircraft

ANSWERS: 193. shift, 194. inspiration, 195. detect, 196. equilibrium, 197. constraint, 198. index, 199. represent, 200. encounter, 201. captain

ANSWERS:

Session 3: Fill in the Blanks

1. He carefully determined the _____ relations of every piece of the stage set.
adj. of or relating space and the position, area, and size of things
2. The _____ description of a website is an important element for search engine optimization.
adj. pertaining to or involving a higher or more abstract level of analysis, interpretation, or self-reference, often used to describe aspects of gaming, social media, or other online communities that involve self-conscious or self-referential elements
3. After the accident, three governmental bodies _____ the company.
v. to oversee and control the operation or arrangement of something
4. Each country's officials can access the central _____.
n. a large amount of data stored in a computer system in such a way that it can be searched and updated easily
5. She was _____ about her friend's intentions.
adj. not being sure of something; not being able to choose
6. The train has to _____ rigorous safety checks.
v. to go through something unpleasant or that involves a change
7. The widow of a deceased writer discovered an incomplete novel _____ in his room.
n. the original copy of a book, piece of music, etc. before it is printed

ANSWERS: 1. spatial, 2. meta, 3. administer, 4. database, 5. uncertain, 6. undergo, 7. manuscript

8. The ladder leaned against the _____ surface of the building.

adj. upright or perpendicular to a horizontal surface or line

9. The _____ for applying for a visa can be lengthy and complicated.

n. a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

10. If necessary, you can _____ the front seats forward.

v. to move or cause to move smoothly along a surface without interruption

11. The company's _____ in the market was expanding to new territories.

n. a specific sphere of influence or control; a specific field of knowledge or expertise

12. He _____ back in time to the soccer game.

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

13. A _____ of the employees will be trained in the new software program.

n. a set of things that are contained within another larger set; a portion or division of a group or category

14. The juice has a _____ taste.

adj. odd and uncommon, sometimes in an unpleasant way

15. The letter was written in _____ script and had a personal touch.

adj. written with a pen or pencil rather than typed

ANSWERS: 8. vertical, 9. process, 10. slide, 11. domain, 12. zoomed, 13. subset, 14. peculiar, 15. handwritten

16. It seems _____ that he has forgotten our scheduled meeting.

adj. likely to happen or likely to be true

17. The _____ spoken in the region differed from other parts of the country.

n. a form of a language that is spoken in a particular geographical area or by a particular group of people and has distinguishing characteristics

18. 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

19. Necessity is the mother of _____.

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

20. She researched gender _____ in politics.

n. a strong feeling in favor of or against one group of people, an idea, or thing, often not based on fair judgment

21. The stock market _____ measures the performance of a group of stocks.

n. a list of items, such as names, subjects, or keywords, that is arranged in a particular order and is usually found at the end of a book or document; a number or symbol that indicates the value or level of something, such as a stock index or a temperature index

22. The _____ at the library contain a wealth of information about the city's history.

n. a collection of historical documents or records providing information about a place, institution, or group of people

ANSWERS: 16. probable, 17. dialect, 18. develop, 19. invention, 20. bias, 21. index, 22. archives

23. The pastor contributed to _____ the sense of a community embracing all classes.
- v.* to promote growth; to take care of another person's child, usually for a limited time, without becoming their legal parents
24. The _____ of the sentence could have been clearer and easier to understand.
- n.* the branch of linguistics and logic concerned with meaning
25. Could you help me _____ some furniture?
- n.* a slight transition in position, direction, or trend
26. He _____ himself in his research.
- v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
27. Anesthetize the gum before _____ the teeth.
- n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
28. It is a _____ in many families to have a big Thanksgiving dinner with all their relatives.
- n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
29. Can you _____ 123321 by eleven?
- v.* to separate or cause to separate into parts or groups
30. He postulated a completely different _____ to explain all these phenomena.
- n.* a standard or typical example of something; a pattern or model

ANSWERS: 23. fostering, 24. semantics, 25. shift, 26. immersed, 27. extracting, 28. tradition, 29. divide, 30. paradigm

31. The government announced a plan for the _____ of the city's infrastructure.
- n.* the process of rebuilding or repairing something that has been damaged or destroyed or of restoring something to its original condition
32. The two sides argued their points, but the judge ultimately sided with the _____ viewpoint.
- n.* acting in opposition to what is expected or desired
33. The _____ risotto was delicious, but I couldn't identify all the mushrooms in it.
- n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap
34. He narrated the _____ story of his adventure.
- adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
35. 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
36. He found _____ in the works of his favorite authors.
- n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
37. Different people might _____ this news differently.
- v.* to explain or assign the meaning of information, actions, etc.
38. The _____ bears the weight of the overhead bridge.
- n.* a curved structure with two supports that holds the weight of something above it, such as a bridge or the upper part of a building

ANSWERS: 31. reconstruction, 32. contrary, 33. mushroom, 34. extraordinary, 35. communicate, 36. inspiration, 37. interpret, 38. arch

39. These articles cite five _____ of climate change.

n. a particular example or single occurrence of something

40. His professional experience includes all _____ of media production.

n. one part or feature of a situation, problem, subject, etc.

41. After the summit meeting, the prime ministers issued a _____ statement.

adj. shared, held, or made between two or more people; (noun) the point of connection between two bones or elements of a skeleton

42. The _____ approach to education emphasizes hands-on learning and student-centered classrooms.

adj. relating to or supporting development or advancement, especially social or political one

43. Airplanes need _____ tails to improve stability.

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

44. She needs to _____ the interview recording to write the article for the magazine.

v. to copy or reproduce something in written or printed form; to translate spoken language into written text

45. _____ the text from Italian into English.

v. to convert or change words into another language

46. Only the _____ tower remained standing.

adj. relating to or belonging to the Middle Age that is for the period of A.D.600 to A.D. 1450

ANSWERS: 39. instances, 40. aspects, 41. joint, 42. progressive, 43. horizontal, 44. transcribe, 45. Translate, 46. medieval

47. The _____ illusion made it appear like the building was floating in midair.
adj. of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light
48. A gentle _____ concealed his powerfulness.
n. the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant
49. They study the _____ of the universe.
n. a gradual process of transformation of living things
50. We must enter a six-_____ number to unlock the safe.
n. one of the elements that collectively form a system of numeration; a finger, thumb, or toe
51. We _____ a cease-fire.
v. to come to an end or close; to reach a judgment or opinion by reasoning
52. There are _____ differences between the two wine-producing regions.
adj. easy to see, discover or understand
53. The teacher will not _____ any students to leave the classroom early.
v. to allow for something to happen or be done; (noun) the act of giving a formal, usually written, authorization
54. 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

ANSWERS: 47. optical, 48. facade, 49. evolution, 50. digit, 51. concluded, 52. obvious, 53. permit, 54. environment

55. The software could _____ the encrypted data and reveal the hidden information.
- v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
56. Please _____ your new theory.
- v.* to make something bigger or larger; to become bigger or larger
57. He has built a thriving e-commerce _____.
- n.* a group of countries ruled by one leader or government
58. 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
59. The government should do more to support environmentally _____ agriculture.
- adj.* able to continue or be continued for a long time
60. Mastering _____ takes a lot of time for those learning a foreign language.
- n.* the set of structural constraints on speakers' or writers' composition of clauses, phrases, and words
61. We can evaluate the performance of an _____ in terms of computation time.
- n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
62. The two rivers _____ into one near this area.
- v.* to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet

ANSWERS: 55. decode, 56. enlarge, 57. empire, 58. structure, 59. sustainable, 60. grammar, 61. algorithm, 62. converge

63. The Chinese people have accomplished several _____ feats.
adj. famous or significant in history, or potentially so
64. The budget _____ forced them to make difficult decisions.
n. a limit or restriction on something, such as an action, behavior, or thought
65. It is an incredible _____ to climb Mount Everest, the highest mountain in the world.
n. a notable or impressive achievement, especially one that requires great skill or bravery
66. The living room had a _____ coffee table in the center of it.
n. a four-sided geometric shape with four right angles, where opposite sides are parallel and of equal length
67. This operation requires both patience and _____.
n. the quality or condition of being exact and accurate
68. She _____ the atmosphere of the pre-war age with her stage setting.
v. to make something that existed previously happen or appear to exist again
69. I'm prepared to _____ challenges throughout this adventure.
v. to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
70. The city's economy relies heavily on the _____ industry and its port.
adj. relating to or connected with the sea, especially about shipping, navigation, or commercial activity

ANSWERS: 63. historic, 64. constraint, 65. feat, 66. rectangle-shaped, 67. precision, 68. recreated, 69. encounter, 70. maritime

71. The Prime Minister will pay a courtesy visit to the Nobel laureate's ____.
- n.* a workplace for the conduct of scientific research; a laboratory
72. The security camera has _____ four intruders.
- v.* to find or recognize something, especially something difficult to see, hear, etc.
73. The bumbling _____ made it difficult to get the permits we needed.
- n.* a system of government in which most of the important decisions are made by state officials rather than by elected representatives
74. In _____ private corporations provide healthcare services.
- n.* the act or process of adding something to something else; the process of adding numbers
75. 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
76. The _____ captain ordered his crew to attack the merchant ship.
- n.* (especially in the past) a person who attacks and robs ships at sea
77. The media _____ had special passes.
- n.* someone who speaks or acts officially on behalf of another person or group of people
78. The _____ ordered the troops to fire.
- n.* the leader of a group of people, especially who is in charge of a ship or aircraft
79. The company struggled to maintain an _____ between its profits and social responsibilities.
- n.* a state in which opposing forces or influences are balanced

ANSWERS: 71. lab, 72. detected, 73. bureaucracy, 74. addition, 75. extrapolates, 76. pirate, 77. representatives, 78. captain, 79. equilibrium

80. What are your annual _____ expectations?

- n.* a fixed amount of money that employees, especially those who work in an office, receive for doing their job, usually paid every month

81. 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

82. It's important to understand the _____ of a situation before making a decision.

- n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning

83. We elected him to _____ us at the international conference.

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

84. She tried to _____ the layout of the new house in her mind.

- v.* to form a mental image or concept of something; to make something visible

85. Sensors convert physical phenomena into _____ signals.

- adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

86. Many financial _____ work in investment banks, using complex mathematical models to analyze financial data.

- n.* quantitative analysts or individuals who specialize in using quantitative methods, including mathematical and statistical modeling, in analyzing financial markets and making investment decisions

ANSWERS: 80. salary, 81. planet, 82. context, 83. represent, 84. visualize, 85. digital, 86. quants

87. The top three teams in this tournament _____ for the Olympics.
- v. to reach the standard or fulfill the requirement of ability or knowledge needed to do a particular job or receive a particular benefit or privilege
88. This lawsuit appears to be unfair and _____.
- adj. not remaining constant or in agreement
89. Police will _____ random breath testing for drunk driving.
- v. to organize and carry out a particular activity
90. The _____ counselor encouraged her clients to focus on their growth and well-being.
- n. a person who is concerned with the welfare and rights of all human beings; one who believes in the inherent worth and dignity of every person and stresses the importance of human values and ethical principles
91. My father's death _____ my life completely.
- v. to change in outward structure or looks;
92. He left his wife an _____ fortune.
- adj. extremely large or great
93. They've decided to _____ a ruined castle.
- v. to build or form something again that has been damaged or destroyed
94. He _____ hypotheses that no mathematician has ever imagined before.
- v. to build or create something; to assemble or combine different parts to form something whole

ANSWERS: 87. qualify, 88. inconsistent, 89. conduct, 90. humanist, 91. transformed, 92. immense, 93. reconstruct, 94. constructs

95. He was given _____ for his outstanding work in the field of medicine.
n. the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
96. The restaurant has chefs who _____ in beef.
v. to become an expert in a specific career field, study, or business
97. The imperial _____ is currently undergoing reforms.
n. the residence of a high-ranking official such as a king, queen, etc.
98. Other technology industries _____ similarly explosive growth.
v. to show something in public for people to enjoy or to provide them with information
99. The sperm whale can _____ to 1,000 meters.
v. to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
100. The golfer recorded an _____ distance.
adj. extremely surprising, especially in a way that you like or admire
101. The _____ jets gradually dominate the world's airlines.
adj. enormous; much bigger or more important than similar items usually are

ANSWERS: 95. recognition, 96. specialize, 97. palace, 98. exhibit, 99. dive, 100. amazing, 101. giant