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Vocabulary Builder Reference from...

Yaniv Erlich: How we're building the world's largest family tree | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

typical

adj. having the usual characteristics or traits of a specific group of things

synonym: characteristic, usual, distinctive

(1) **typical** leader, (2) fairly **typical** symptoms

This artwork is **typical** of her work.

consume

v. to spend something, especially fuel, energy, or time, in a large amount

synonym: absorb, ingest, use up

(1) **consume** a large of alcohol, (2) **consume** electricity

A smaller car will **consume** less fuel.

involve

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

synonym: implicate, include, engage

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

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

curiosity

n. a strong desire to know or learn about something

synonym: interest, inquisitiveness, novelty

(1) boundless **curiosity**, (2) satisfy my intellectual **curiosity**

We are motivated by **curiosity** rather than necessity.

insignificant

adj. of little importance, influence, or power

synonym: unimportant, trivial, irrelevant

(1) **insignificant** amount, (2) an **insignificant** mistake

He made me feel small and **insignificant**.

indulgence

n. the state or act of allowing oneself or another person to enjoy the pleasure of something that is considered to be a pleasure or luxury

synonym: luxury, treat, pampering

(1) plenary **indulgence**, (2) selfish **indulgence**

He allowed himself a few small **indulgences** during his diet.

reproductive

adj. connected with the process of reproduction; relating to reproducing babies, young animals, or plants

synonym: procreative, generative

(1) **reproductive** ability, (2) during **reproductive** period

This documentary deals with the **reproductive** biology of the buffalo.

genealogy

n. the study of family history and the tracing of lineages

synonym: lineage, ancestry, family history

(1) **genealogy** research, (2) **genealogy** chart

She spent hours tracing her family tree and discovering new information about her **genealogy**.

obsess

v. to fill the mind of someone continually so that one can't think of anything else

synonym: torment, beset, engross

(1) **obsess** over her weight, (2) he is **obsessed** with the fear

He's utterly **obsessed** with his promotion.

thanksgiving

n. an annual holiday celebrated primarily in the United States and Canada, typically observed on the fourth Thursday in November in the U.S. and on the second

Monday in October in Canada, that commemorates the giving of thanks for the blessings of the previous year

synonym : gratitude, appreciation, recognition

(1) **thanksgiving** traditions, (2) **thanksgiving** parade

My family gathers together every year for **thanksgiving** dinner.

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.

ancient

adj. relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old

synonym : archaic, age-old, obsolete

(1) pre-Christian **ancient**, (2) **ancient** stories

They have been living near water since **ancient** times.

relative

adj. considered and evaluated through comparison with something else

synonym : comparative, proximate, congeneric

(1) a remote **relative**, (2) **relative** factors

Most countries prohibit sexual activity between certain close **relatives**.

immense

adj. extremely large or great

synonym : enormous, giant, huge

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

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

biomedical

adj. relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare

synonym : medical, clinical, health-related

(1) **biomedical** assay, (2) cutting-edge **biomedical**

Biomedical engineering focuses on developing new medical technologies and innovations to improve patient health outcomes.

fellow

adj. someone who has the same job or interests as you, or is in the same class, profession, or situation as you

synonym: buddy, mate, affiliate

(1) junior **fellow**, (2) nice **fellow**

He is the kind of **fellow** who only works for his success.

genealogist

n. a person who studies, researches, or traces family histories or ancestry; someone who specializes in genealogy (= the study of families, family history, and the tracing of their lineages)

synonym: family historian, lineage expert

(1) **genealogist** community, (2) professional **genealogist**

The **genealogist's** research showed that the family had ties to royalty in their ancestry.

upload

v. to transfer digital data or files from a local computer or device to a remote server or network; the act of transferring such data or files

synonym: transfer, load up

(1) **upload** files, (2) **upload** documents to the portal

I need to **upload** these pictures to my computer to edit them.

scan

v. to examine something hastily, with the eyes or with a machine, to get information

synonym: look over, scrutinize, browse

(1) **scan** the face of the man, (2) **scan** a document into PDF

She stood on the podium and **scanned** an audience.

merge

v. to combine or integrate things, or to cause this to happen

synonym: combine, join, coalesce

(1) **merge** into a new party, (2) **merge** those systems into a new one

This consulting firm decided to **merge** the two companies into one.

individual

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

synonym: person, being, self

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

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

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.

crowdsourcing

n. the practice of obtaining needed services, ideas, or content by enlisting the services of a large number of people, either paid or unpaid, typically via the internet

(1) **crowdsourcing** apps, (2) **crowdsourcing** in climate policy

The company used this **crowdsourcing** platform to gather ideas for its next product.

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.

humankind

n. the whole of the living human inhabitants of the earth

synonym: humanity, human race, society

(1) **humankind** as a species, (2) history of **humankind**

On the geological time scale, **humankind** has existed for a brief moment.

pixel

n. the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image

synonym: dot, point, picture element

(1) **pixel** density, (2) color **pixels**

The computer screen comprises thousands of tiny **pixels** that create the overall picture.

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.

nod

v. to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation

synonym: respond, acknowledge, greet

(1) **nod** at each other, (2) **nod** courteously

She **noded** quietly in response to the question.

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.

par

n. a state of being equal to someone or something

synonym: equality, standard, balance

(1) above **par** performance, (2) not up to **par**

Shares in the company finally fell below their **par** value.

ancestor

n. a person from whom one is descended; a forefather
synonym: forebear, forefather, progenitor

(1) **ancestor** language, (2) earliest human **ancestor**

My remote **ancestor** immigrated to the United States from Ireland in the 1800s.

periphery

n. the outer edge or margin of something, especially a geographical area or a group of people

synonym: edge, border, margin

(1) around the **periphery**, (2) **periphery** countries

The factory was located on the city's **periphery**, away from residential areas.

descendant

n. children or offspring of a specific person, plant, or animal

synonym: child, offspring, heir

(1) **descendant** of a pioneer, (2) third-generation

descendant

Those warriors' **descendants** are still skilled archers.

approximately

adv. close to a specific number or time but not exactly that number or time

synonym: about, around, roughly

(1) **approximately** 3 feet long, (2) **approximately** same

This trail takes **approximately** 2.5 hours.

gigantic

adj. extremely large

synonym: huge, enormous, immense

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

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

distant

adj. far away in space, time, or where you are; far apart in relevance, relationship, or kinship

synonym: far, isolated, remote

(1) a **distant** memory, (2) **distant** ancestors
The sun set over the crest of **distant** hills.

secretary

n. a person whose job is to deal with correspondence, keep records, and do administrative work for a company or organization

synonym: assistant, clerk, administrator

(1) a confidential **secretary**, (2) **secretary** general

The chief **secretary** was responsible for organizing the meeting.

treasury

n. the government department in charge of managing public funds; the funds of a government or institution or individual

synonym: coffer, exchequer, bank

(1) **treasury** bonds, (2) **treasury** money

The protracted war nearly depleted the country's **treasury**.

showbiz

n. the business or industry of entertainment, especially movies, television, and popular music; the glamorous or flashy aspects of the entertainment industry

synonym: entertainment, show business, performance industry

(1) **showbiz** industry, (2) **showbiz** gossip

The singer's career in **showbiz** began with a small role in a television series.

industrious

adj. hardworking, diligent, and persistent in effort

synonym: diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

bacon

n. a type of salt-cured pork that is usually sliced and fried; a meat product that is derived from the back or sides of a pig

synonym: ham, pork belly, gammon

(1) **bacon** and eggs, (2) **bacon** sandwich

I love the smell of **bacon** sizzling in the morning.

degree

n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

synonym: level, qualification, diploma

(1) bachelor's **degree**, (2) **degree** centigrade

She received her **degree** in psychology from the university.

invest

v. to put money, effort, time, etc. into something to make a profit or achieve a result

synonym: fund, sponsor, support

(1) **invest** in stocks, (2) **invest** capital

The government should view children as national assets and actively **invest** in them.

validate

v. to check or prove that something is true; to make something officially or legally acceptable or approved

synonym: approve, certify, verify

(1) **validate** a hypothesis, (2) **validate** a passport

To **validate** your purchase, please visit the following link.

adoption

n. the action or fact of legally taking another's child as one's own; the act of accepting with approval

synonym: fostering, acceptance, custody

(1) **adoption** assistance, (2) the **adoption** of a plan

The **adoption** process can be long and difficult, but it is worth it for the love of a child.

smirk

v. to smile in a way that suggests one is pleased or amused by someone or something, often in a smug or self-satisfied manner

synonym: grin, sneer, simper

(1) **smirk** confidently, (2) **smirk** after playing a prank

He couldn't help but **smirk** when he heard her absurd excuse.

patrilineal

adj. (the antonym of "matrilineal") relating to or based on a father's lineage or descent; inherited or passed down through the male line

synonym : agnatic, patriarchal, paternal

(1) **patrilineal** society, (2) **patrilineal** inheritance

The **patrilineal** tradition has been passed down for generations, and there is great pride in maintaining the family's heritage.

clinical

adj. of or relating to the examination and treatment of patients rather than theoretical or laboratory studies

synonym : dispassionate, analytic, scientific

(1) **clinical** surgery, (2) participate in **clinical** trials

She received special **clinical** training at the hospital.

grade

n. a particular level of quality, size, importance, etc.

synonym : score, rate, degree

(1) boys in the twelfth **grade**, (2) students at all **grade** levels

Departments may set requirements for a higher **grade** point average.

pedigree

n. the recorded ancestry or genealogical background of a person or animal; a list of ancestors, especially of purebred animals, that documents the genetic lineage of a particular animal or line of animals

synonym : lineage, ancestry, genealogy

(1) family **pedigree**, (2) **pedigree** chart

The dog's **pedigree** proved that it came from a long line of champion show dogs.

profound

adj. extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

synonym : deep, unsounded, far-reaching

(1) a **profound** book, (2) the **profound** depths of the sea

My mother's illness had a **profound** impact on us all.

vested

adj. having a legal right to something, especially property or money, that cannot be taken away

synonym : entitled, possessed, owned

(1) a **vested** right, (2) the authority **vested** in an office

The union has a **vested** interest in the outcome of the negotiations.

lever

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

synonym : lifter, crowbar, bar

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

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

quantitative

adj. relating to, measuring, or expressing in terms of quantity; involving numerical or statistical data

synonym : numerical, measurable

(1) **quantitative** tightening, (2) **quantitative** analysis

The **quantitative** research provided statistical evidence to support the hypothesis.

demography

n. the study of the statistics of human populations, such as size, growth, density, distribution, and vital statistics

synonym : population statistics, human ecology

(1) **demography** study, (2) the city's **demography** report

The **demography** of the country is changing rapidly due to migration and the aging population

contour

n. the outline of its shape or form; a line drawn on a map connecting points of equal height

synonym : outline, silhouette, shape

(1) the **contour** of the earth's surface, (2) **contour** lines

The **contour** of the Atlantic coast of America is very complicated.

clip

n. a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic

media, either an audio clip or video clip

synonym : buckle, hook, pin

(1) tie **clip**, (2) short video **clip**

He fastens some sheets of paper with a **clip**.

stratify

v. to arrange or divide into layers or strata based on characteristics such as social, economic, or cultural status

synonym : layer, classify, arrange in layers

(1) **stratify** populations, (2) **stratify** data

Society tends to **stratify** people into different economic classes.

migration

n. the movement of animals to a new location, frequently as the seasons change

synonym : exodus

(1) the **migration** of birds, (2) overseas **migration**

There was a **migration** of impoverished farmers into the towns.

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.

settle

v. to reach an agreement of disagreement

synonym : inhabit, occupy, decide

(1) **settle** a dispute, (2) **settle** down in the town

I don't want to **settle** for second best.

transport

n. a system for moving people or products from one location to another using automobiles, roads, and so on

synonym :

shipment, transit, conveyance

(1) **transport** facilities, (2) access to public **transport**
Enhanced rail **transportation** is crucial for our business.

migrant

n. a traveler who moves from one region or country to another, especially to find work or better living conditions; a bird or an animal that moves from one place to another

synonym: immigrant, itinerant, transient

(1) **migrant** worker, (2) the movement of **migrant** birds
The government revoked his license to employ **migrant** labor crews.

trail

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

synonym: footpath, track, course

(1) a warm **trail**, (2) follow the **trail**
The storm left a **trail** of destruction behind it.

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.

distance

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

synonym: space, gap, span

(1) driving **distance**, (2) social **distance**
The marathon runner covered a long **distance** in a short amount of time.

locate

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

synonym : discover, find, place

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

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

pivotal

adj. relating to or acting as a pivot or central point; crucial or essential to the success or outcome of something

synonym : crucial, essential, important

(1) **pivotal** moment, (2) **pivotal** role

The CEO's decision was **pivotal** in the success of the company's expansion plans.

migrate

v. to move from one country or region to another and settle there; to move from one place to another periodically or seasonally

synonym : relocate, emigrate, roam

(1) **migrate** across borders, (2) **migrate** a service

Many Germans **migrated** to South America in the mid-19th century.

determinant

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

synonym : cause, factor, element

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

One **determinant** of success is having a positive attitude and a strong work ethic.

geography

n. a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth

synonym : landscape, terrain, topography

(1) **geography** class, (2) economic **geography**

She did well on her **geography** exam.

analyze

v. to think about in-depth and evaluate to discover essential features or meaning

synonym: explore, examine, investigate

(1) **analyze** a chemical compound, (2) **analyze** your real motives

The teacher attempted to **analyze** the root cause of our mistake.

industrial

adj. of or relating to or resulting from industry

synonym: manufacturing, mechanical

(1) beginning of the **industrial** revolution, (2) **industrial** alcohol

Industrial design has become more focused on human nature aspect than ever before.

revolution

n. a large-scale attempt to overthrow the government of a country, often using violence or war;

synonym: coup, innovation, rebellion

(1) beginning of the industrial **revolution**, (2) a political **revolution**

The **revolution** by the citizen resulted in a redistribution of wealth.

complicated

adj. involving a lot of different things or parts in a way that is difficult to understand or analyze

synonym: complex, convoluted, intricate

(1) a **complicated** process, (2) become increasingly **complicated**

He did **complicated** pen-and-ink drawings in just a few days.

affordable

adj. not expensive and able to pay

synonym: cheap, reasonable, inexpensive

(1) **affordable** housing, (2) **affordable** solution

The automaker has been providing **affordable** car financing options since last year.

- flee** v. to leave by running away, especially out of fear or danger
synonym: exit, escape, run away
(1) **flee** their homes, (2) **flee** abroad
It is a basic instinct to **flee** from a dangerous situation.
- statistics** n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
(1) **statistics** for cancer, (2) official **statistics**
The **statistics** demonstrate that poverty and unemployment are genuine problems.
- extent** n. the point or degree or area to which something extends
synonym: amount, degree, intensity
(1) certain **extent**, (2) the **extent** of the damage
I was amazed at the **extent** of her generosity.
- genetic** *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
synonym: hereditary, genetical, inborn
(1) have **genetic** testing, (2) a **genetic** disorder
Understanding protein folding is a vital step in deciphering the **genetic** code.
- variation** n. the act or state of changing; a difference or change in the way something is done, made or said
synonym: fluctuation, change, variation
(1) **variation** of temperature, (2) gene **variation**
There is a lot of **variation** in the colors of flowers in the garden.
- span** n. the entire length of something, such as time or space from beginning to end; the amount of space that something covers
synonym: interval, period, length
(1) the **span** of a bird's wings, (2) the average life **span**

He slightly modified the **span** of training because it was just before a match.

correlation

n. a statistical relationship between two variables in which one variable is affected by the other; a reciprocal relation between two or more facts, numbers, etc.

synonym: relationship, connection, association

(1) ecological **correlation**, (2) **correlation** coefficient

There is a strong **correlation** between education level and income.

longevity

n. the property of being long-lived; significant duration of service

synonym: seniority, endurance

(1) **longevity** crisis, (2) **longevity** genes

He is proud of the **longevity** of the business.

twin

n. either of two children born at the same time from the same mother

(1) a **twin-lens** camera, (2) a **twin** room

Its **twin** brothers are difficult to tell apart except for their parents.

estimate

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

synonym: calculate, gauge, evaluate

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

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

quarter

n. one of four equal parts; a fourth part or portion

synonym: fourth, one-fourth

(1) a **quarter** mile, (2) end of the first **quarter**

The unemployment rate in the first **quarter** was 2.3 percentage points higher than in the previous.

correlate

v. to have a connection or relationship in which one thing affects or depends on another

synonym: associate, liken, connect

(1) **correlate** closely with the quality, (2) **correlate** to the size

We may frequently **correlate** age with the frequency of disease.

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**.

opportune

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

synonym: suitable, timely, practical

(1) **opportune** occasion, (2) an **opportune** remark

The phone rang at the most **opportune** time.

cousin

n. the child of your aunt or uncle

synonym: relative

(1) cross- **cousin** marriage, (2) **cousin's** family

I used to play with my younger male **cousins** when I was a little girl.

robust

adj. sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

synonym: healthy, strong, booming

(1) **robust** growth, (2) a **robust** appetite

The experiment yielded **robust** results that support his theory.

tease

v. to make fun of someone or make jokes about them, either in a playful way or to upset them; to separate the

fibers of something; to ruffle a person's or animal's hair by combing

synonym : bully, annoy, provoke

(1) **tease** the children, (2) **tease** wool

This ad is intended to **tease** a competing product.

contribution

n. the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause

synonym : donation, gift, offering

(1) make a positive **contribution**, (2) **contribution** to society

His **contribution** to the charity was a generous donation of money.

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.

genetics

n. the branch of biology that studies genes, genetic variation, and heredity in organisms

(1) the science of **genetics**, (2) **genetics** discrimination

He is a specialist in the **genetics** of aging.

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.

forensic

adj. relating to the use of scientific methods and techniques to investigate and solve crimes or legal disputes; pertaining to or involved in legal or criminal proceedings; using scientific evidence to support a claim or argument in a court of law or other formal settings

synonym : legal, juridical, judicial

(1) find **forensic** evidence, (2) **forensic** team

Forensic scientists analyzed the DNA evidence to solve the crime.

exceed

v. to surpass or go beyond a limit, expectation, or requirement; to be better or greater than anticipated or desired

synonym : surpass, outdo, excel

(1) **exceed** sales targets, (2) **exceed** the speed limit

The athlete's performance **exceeded** all expectations, breaking a world record.

beacon

n. a light or other visible object serving as a signal, guide, or warning

synonym : lighthouse, guidepost, marker

(1) an aerial **beacon**, (2) **beacon** of hope

The lighthouse served as a **beacon** to guide ships safely into port.

illuminate

v. to light something or to make something lighter or brighter; to make something free from confusion or ambiguity

synonym : brighten, light, adorn

(1) **illuminate** a dark hall, (2) **illuminate** my understanding

That biologist **illuminated** the mechanism of heredity.

origin

n. the first existence or beginning of something

synonym : root, source, ancestor

(1) **origin** of information, (2) racial **origin**

There are various hypotheses concerning the **origin** of life.

triangle

n. a three-sided polygon with three angles; something that has three sides or parts

synonym : trilateral, delta, triad

(1) **triangle** shape, (2) love **triangle**

The Pythagorean theorem is used to calculate the length of the sides of a right **triangle**.

satellite

n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

synonym : orbiter, asteroid, moon

(1) a GPS **satellite**, (2) a meteorological **satellite**

Launching an artificial **satellite** contributed to the technological development of our country.

prime

adj. main or most important; basic

synonym : excellent, exceptional, premium

(1) **prime** number, (2) deputy **prime** minister

After a thorough investigation, she has been named as the **prime** suspect.

technique

n. a particular way or art of doing something that needs skill

synonym : approach, procedure, strategy

(1) a **technique** in martial arts, (2) the **technique** applied to construction

Jockey's superior **technique** brought him victory.

capture

v. to catch a person or an animal and confine them in an area which they cannot escape

synonym : catch, arrest, imprison

(1) **capture** a glimpse, (2) **capture** customers' hearts

I was able to **capture** the moment on film.

criminal

n. a person who has committed a crime

synonym : offender, lawbreaker, delinquent

(1) wanted **criminal**, (2) **criminal** investigation

The police are searching for the **criminal** who stole the jewels.

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**.

consult

v. to seek or get advice or information from a person, book, or other source having special knowledge on a particular subject

synonym: confer, consider, see

(1) regularly **consult** with a doctor, (2) **consult** my wallet

Always **consult** a lawyer before launching a business.

submit

v. to give or offer a document, proposal, etc. to a decision-maker for examination or consideration

synonym: hand in, present, propose

(1) agree to **submit** the bill, (2) **submit** an application

Please **submit** the assignment to me.

branch

n. a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

synonym: limb, twig, bough

(1) **branch** office, (2) a **branch** pipe

The **branch** of the tree had fallen and blocked the road.

obtain

v. to get something, especially by making a great effort

synonym: accept, acquire, receive

(1) **obtain** a license, (2) **obtain** a bid

Where can I **obtain** the application form?

arrest

v. to take into custody

synonym: capture, detain, imprison

(1) **arrest** the thief, (2) **arrest** the progress

A police officer has the authority to **arrest** a criminal.

enforcement

n. the act of ensuring that rules, regulations, or laws are obeyed or implemented; the act of applying force or

pressure to compel compliance with rules or laws

synonym : implementation, application, execution

(1) **enforcement** action, (2) **enforcement** officer

The **enforcement** of the new traffic laws led to a decrease in accidents.

self-serving

adj. concerned primarily with one's interests and needs rather than those of others; motivated by a desire for personal gain or advantage

synonym : self-centered, egocentric, self-absorbed

(1) **self-serving** attitude, (2) **self-serving** bias

The politician's **self-serving** actions were met with criticism from the public.

Session 2: Spelling

1. certain ex___t *n.* the point or degree or area to which something extends
2. boundless cu_____ty *n.* a strong desire to know or learn about something
3. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
4. the ex___t of the damage *n.* the point or degree or area to which something extends
5. cro_____ing apps *n.* the practice of obtaining needed services, ideas, or content by enlisting the services of a large number of people, either paid or unpaid, typically via the internet
6. ind_____al alcohol *adj.* of or relating to or resulting from industry
7. up___d documents to the portal *v.* to transfer digital data or files from a local computer or device to a remote server or network; the act of transferring such data or files
8. cl_____al surgery *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
9. a ve___d right *adj.* having a legal right to something, especially property or money, that cannot be taken away
10. access to public tr_____rt *n.* a system for moving people or products from one location to another using automobiles, roads, and so on

ANSWERS: 1. extent, 2. curiosity, 3. amazing, 4. extent, 5. crowdsourcing, 6. industrial, 7. upload, 8. clinical, 9. vested, 10. transport

11. se_____ry general *n.* a person whose job is to deal with correspondence, keep records, and do administrative work for a company or organization
12. cutting-edge bio_____al *adj.* relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare
13. 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
14. co____n's family *n.* the child of your aunt or uncle
15. de____e centigrade *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
16. an_____e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
17. beginning of the ind_____al revolution *adj.* of or relating to or resulting from industry
18. hu_____nd as a species *n.* the whole of the living human inhabitants of the earth
19. he is ob____sed with the fear *v.* to fill the mind of someone continually so that one can't think of anything else
20. cr_____al investigation *n.* a person who has committed a crime
21. te__e wool *v.* to make fun of someone or make jokes about them, either in a playful way or to upset them; to separate the fibers of something; to ruffle a person's or animal's hair by combing

ANSWERS: 11. secretary, 12. biomedical, 13. database, 14. cousin, 15. degree, 16. analyze, 17. industrial, 18. humankind, 19. obsess, 20. criminal, 21. tease

22. wanted cr____al *n.* a person who has committed a crime
23. have ge____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
24. an____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning
25. the te____ue applied to construction *n.* a particular way or art of doing something that needs skill
26. find fo____ic evidence *adj.* relating to the use of scientific methods and techniques to investigate and solve crimes or legal disputes; pertaining to or involved in legal or criminal proceedings; using scientific evidence to support a claim or argument in a court of law or other formal settings
27. the mi____on of birds *n.* the movement of animals to a new location, frequently as the seasons change
28. the city's dem____hy report *n.* the study of the statistics of human populations, such as size, growth, density, distribution, and vital statistics
29. a GPS sa____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
30. im____e amount *adj.* extremely large or great
31. agree to su____t the bill *v.* to give or offer a document, proposal, etc. to a decision-maker for examination or consideration

ANSWERS: 22. criminal, 23. genetic, 24. analyze, 25. technique, 26. forensic, 27. migration, 28. demography, 29. satellite, 30. immense, 31. submit

32. co_____te closely with the quality *v.* to have a connection or relationship in which one thing affects or depends on another
33. in____t capital *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
34. pi_____l role *adj.* relating to or acting as a pivot or central point; crucial or essential to the success or outcome of something
35. tie c__p *n.* a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
36. co_____ct a 3D image *v.* to build or create something; to assemble or combine different parts to form something whole
37. n_d at each other *v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation
38. di_____t ancestors *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
39. le__r for reform *n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
40. or____n of information *n.* the first existence or beginning of something

ANSWERS: 32. correlate, 33. invest, 34. pivotal, 35. clip, 36. construct, 37. nod, 38. distant, 39. lever, 40. origin

41. ind_____al freedom *n.* a single person or thing, as distinct from a group
42. pe_____ry countries *n.* the outer edge or margin of something, especially a geographical area or a group of people
43. ill_____te my understanding *v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity
44. ro___t growth *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
45. color pi___ls *n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image
46. ge_____hy class *n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
47. co_____t my wallet *v.* to seek or get advice or information from a person, book, or other source having special knowledge on a particular subject
48. con_____ion to society *n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause
49. proper su___t *n.* a set of things that are contained within another larger set; a portion or division of a group or category

ANSWERS: 41. individual, 42. periphery, 43. illuminate, 44. robust, 45. pixel, 46. geography, 47. consult, 48. contribution, 49. subset

50. the co____r of the earth's surface *n.* the outline of its shape or form; a line drawn on a map connecting points of equal height
51. a gear change le__r *n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
52. students at all gr__e levels *n.* a particular level of quality, size, importance, etc.
53. f__e their homes *v.* to leave by running away, especially out of fear or danger
54. es_____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
55. aff_____le housing *adj.* not expensive and able to pay
56. pat_____al society *adj.* (the antonym of "matrilineal") relating to or based on a father's lineage or descent; inherited or passed down through the male line
57. re_____nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
58. 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

ANSWERS: 50. contour, 51. lever, 52. grade, 53. flee, 54. estimate, 55. affordable, 56. patrilineal, 57. represent, 58. process

59. bio_____al assay *adj.* relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare
60. the s__n of a bird's wings *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
61. ex___d sales targets *v.* to surpass or go beyond a limit, expectation, or requirement; to be better or greater than anticipated or desired
62. regularly co_____t with a doctor *v.* to seek or get advice or information from a person, book, or other source having special knowledge on a particular subject
63. a meteorological sa_____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
64. make a positive con_____ion *n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause
65. ge_____cs discrimination *n.* the branch of biology that studies genes, genetic variation, and heredity in organisms
66. app_____ely same *adv.* close to a specific number or time but not exactly that number or time

ANSWERS: 59. biomedical, 60. span, 61. exceed, 62. consult, 63. satellite, 64. contribution, 65. genetics, 66. approximately

67. sm__k after playing a prank *v.* to smile in a way that suggests one is pleased or amused by someone or something, often in a smug or self-satisfied manner
68. im____e pressure *adj.* extremely large or great
69. a private ind____al *n.* a single person or thing, as distinct from a group
70. nice fe___w *adj.* someone who has the same job or interests as you, or is in the same class, profession, or situation as you
71. social di____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
72. cro_____ing in climate policy *n.* the practice of obtaining needed services, ideas, or content by enlisting the services of a large number of people, either paid or unpaid, typically via the internet
73. va____te a hypothesis *v.* to check or prove that something is true; to make something officially or legally acceptable or approved
74. pi____l moment *adj.* relating to or acting as a pivot or central point; crucial or essential to the success or outcome of something
75. tha_____ing traditions *n.* an annual holiday celebrated primarily in the United States and Canada, typically observed on the fourth Thursday in November in the U.S. and on the second Monday in October in Canada, that commemorates the giving of thanks for the blessings of the previous year

ANSWERS: 67. smirk, 68. immense, 69. individual, 70. fellow, 71. distance, 72. crowdsourcing, 73. validate, 74. pivotal, 75. thanksgiving

76. cross-co___n marriage *n.* the child of your aunt or uncle
77. selfish ind_____ce *n.* the state or act of allowing oneself or another person to enjoy the pleasure of something that is considered to be a pleasure or luxury
78. a t__n room *n.* either of two children born at the same time from the same mother
79. rep_____ive ability *adj.* connected with the process of reproduction; relating to reproducing babies, young animals, or plants
80. gi_____ic monsters *adj.* extremely large
81. be___n of hope *n.* a light or other visible object serving as a signal, guide, or warning
82. end of the first qu_____r *n.* one of four equal parts; a fourth part or portion
83. satisfy my intellectual cu_____ty *n.* a strong desire to know or learn about something
84. lo_____ty crisis *n.* the property of being long-lived; significant duration of service
85. ba__n sandwich *n.* a type of salt-cured pork that is usually sliced and fried; a meat product that is derived from the back or sides of a pig
86. re_____ve factors *adj.* considered and evaluated through comparison with something else
87. mi_____e across borders *v.* to move from one country or region to another and settle there; to move from one place to another periodically or seasonally

ANSWERS: 76. cousin, 77. indulgence, 78. twin, 79. reproductive, 80. gigantic, 81. beacon, 82. quarter, 83. curiosity, 84. longevity, 85. bacon, 86. relative, 87. migrate

88. a pr____nd book *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
89. ba__n and eggs *n.* a type of salt-cured pork that is usually sliced and fried; a meat product that is derived from the back or sides of a pig
90. ad____on assistance *n.* the action or fact of legally taking another's child as one's own; the act of accepting with approval
91. deputy pr__e minister *adj.* main or most important; basic
92. follow the tr__l *n.* a path or track roughly through a countryside, mountain, or forest area, often made or used for a particular purpose; (verb) to lag or linger behind
93. st____fy data *v.* to arrange or divide into layers or strata based on characteristics such as social, economic, or cultural status
94. pr__e number *adj.* main or most important; basic
95. app_____ely 3 feet long *adv.* close to a specific number or time but not exactly that number or time
96. tha_____ing parade *n.* an annual holiday celebrated primarily in the United States and Canada, typically observed on the fourth Thursday in November in the U.S. and on the second Monday in October in Canada, that commemorates the giving of thanks for the blessings of the previous year
97. not up to p_r *n.* a state of being equal to someone or something

ANSWERS: 88. profound, 89. bacon, 90. adoption, 91. prime, 92. trail, 93. stratify, 94. prime, 95. approximately, 96. thanksgiving, 97. par

98. pat_____al inheritance *adj.* (the antonym of "matrilineal") relating to or based on a father's lineage or descent; inherited or passed down through the male line
99. sh_____z industry *n.* the business or industry of entertainment, especially movies, television, and popular music; the glamorous or flashy aspects of the entertainment industry
100. 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
101. the movement of mi_____t birds *n.* a traveler who moves from one region or country to another, especially to find work or better living conditions; a bird or an animal that moves from one place to another
102. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
103. in_____t in stocks *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
104. gen_____st community *n.* a person who studies, researches, or traces family histories or ancestry; someone who specializes in genealogy (= the study of families, family history, and the tracing of their lineages)
105. around the pe_____ry *n.* the outer edge or margin of something, especially a geographical area or a group of people

ANSWERS: 98. patrilineal, 99. showbiz, 100. database, 101. migrant, 102. industrious, 103. invest, 104. genealogist, 105. periphery

106. su___t an application *v.* to give or offer a document, proposal, etc. to a decision-maker for examination or consideration
107. gi____ic proportions *adj.* extremely large
108. se___e down in the town *v.* to reach an agreement of disagreement
109. overseas mi_____on *n.* the movement of animals to a new location, frequently as the seasons change
110. official sta_____cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
111. boys in the twelfth gr__e *n.* a particular level of quality, size, importance, etc.
112. va_____on of temperature *n.* the act or state of changing; a difference or change in the way something is done, made or said
113. dem_____hy study *n.* the study of the statistics of human populations, such as size, growth, density, distribution, and vital statistics
114. ar___t the progress *v.* to take into custody
115. professional gen_____st *n.* a person who studies, researches, or traces family histories or ancestry; someone who specializes in genealogy (= the study of families, family history, and the tracing of their lineages)
116. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose

ANSWERS: 106. submit, 107. gigantic, 108. settle, 109. migration, 110. statistics, 111. grade, 112. variation, 113. demography, 114. arrest, 115. genealogist, 116. opportune

117. co_____e electricity *v.* to spend something, especially fuel, energy, or time, in a large amount
118. ob____n a bid *v.* to get something, especially by making a great effort
119. short video c__p *n.* a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
120. te__e the children *v.* to make fun of someone or make jokes about them, either in a playful way or to upset them; to separate the fibers of something; to ruffle a person's or animal's hair by combing
121. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
122. sel_____ing bias *adj.* concerned primarily with one's interests and needs rather than those of others; motivated by a desire for personal gain or advantage
123. ca_____e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
124. a di_____t memory *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
125. love tr_____le *n.* a three-sided polygon with three angles; something that has three sides or parts
126. gene va_____on *n.* the act or state of changing; a difference or change in the way something is done, made or said

ANSWERS: 117. consume, 118. obtain, 119. clip, 120. tease, 121. environment, 122. self-serving, 123. capture, 124. distant, 125. triangle, 126. variation

127. su___t selection *n.* a set of things that are contained within another larger set; a portion or division of a group or category
128. pre-Christian an____t *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
129. history of hu_____nd *n.* the whole of the living human inhabitants of the earth
130. a ge_____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
131. the ad_____on of a plan *n.* the action or fact of legally taking another's child as one's own; the act of accepting with approval
132. ca_____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
133. sta_____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
134. n_d courteously *v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation
135. historical co_____t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
136. ob___s over her weight *v.* to fill the mind of someone continually so that one can't think of anything else

ANSWERS: 127. subset, 128. ancient, 129. humankind, 130. genetic, 131. adoption, 132. capture, 133. statistics, 134. nod, 135. context, 136. obsess

137. co_____te to the size *v.* to have a connection or relationship in which one thing affects or depends on another
138. tr_____le shape *n.* a three-sided polygon with three angles; something that has three sides or parts
139. during rep_____ive period *adj.* connected with the process of reproduction; relating to reproducing babies, young animals, or plants
140. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
141. enf_____nt officer *n.* the act of ensuring that rules, regulations, or laws are obeyed or implemented; the act of applying force or pressure to compel compliance with rules or laws
142. 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
143. third-generation des_____nt *n.* children or offspring of a specific person, plant, or animal
144. qua_____ive tightening *adj.* relating to, measuring, or expressing in terms of quantity; involving numerical or statistical data
145. family pe_____ee *n.* the recorded ancestry or genealogical background of a person or animal; a list of ancestors, especially of purebred animals, that documents the genetic lineage of a particular animal or line of animals

ANSWERS: 137. correlate, 138. triangle, 139. reproductive, 140. environment, 141. enforcement, 142. process, 143. descendant, 144. quantitative, 145. pedigree

146. fairly ty____l symptoms *adj.* having the usual characteristics or traits of a specific group of things
147. tr____ry money *n.* the government department in charge of managing public funds; the funds of a government or institution or individual
148. lo____ty genes *n.* the property of being long-lived; significant duration of service
149. op____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
150. cor____on coefficient *n.* a statistical relationship between two variables in which one variable is affected by the other; a reciprocal relation between two or more facts, numbers, etc.
151. a confidential se____ry *n.* a person whose job is to deal with correspondence, keep records, and do administrative work for a company or organization
152. a com____ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
153. a warm tr__l *n.* a path or track roughly through a countryside, mountain, or forest area, often made or used for a particular purpose; (verb) to lag or linger behind
154. ar__t the thief *v.* to take into custody
155. an ins____ant mistake *adj.* of little importance, influence, or power

ANSWERS: 146. typical, 147. treasury, 148. longevity, 149. opportune, 150. correlation, 151. secretary, 152. complicated, 153. trail, 154. arrest, 155. insignificant

156. co_____ct a dam *v.* to build or create something; to assemble or combine different parts to form something whole
157. up____d files *v.* to transfer digital data or files from a local computer or device to a remote server or network; the act of transferring such data or files
158. se____e a dispute *v.* to reach an agreement of disagreement
159. co_____e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount
160. lo____e a missing pet *v.* to specify or determine the exact position of someone or something
161. economic ge_____hy *n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
162. s____n a document into PDF *v.* to examine something hastily, with the eyes or with a machine, to get information
163. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
164. enf_____nt action *n.* the act of ensuring that rules, regulations, or laws are obeyed or implemented; the act of applying force or pressure to compel compliance with rules or laws
165. ex____d the speed limit *v.* to surpass or go beyond a limit, expectation, or requirement; to be better or greater than anticipated or desired

ANSWERS: 156. construct, 157. upload, 158. settle, 159. consume, 160. locate, 161. geography, 162. scan, 163. involve, 164. enforcement, 165. exceed

166. junior fe___w	<i>adj.</i> someone who has the same job or interests as you, or is in the same class, profession, or situation as you
167. above p_r performance	<i>n.</i> a state of being equal to someone or something
168. qua_____ive analysis	<i>adj.</i> relating to, measuring, or expressing in terms of quantity; involving numerical or statistical data
169. mi_____e a service	<i>v.</i> to move from one country or region to another and settle there; to move from one place to another periodically or seasonally
170. the characters that re_____nt numbers	<i>v.</i> to speak, act, or be present on behalf of another person or group; to form or constitute
171. st_____fy populations	<i>v.</i> to arrange or divide into layers or strata based on characteristics such as social, economic, or cultural status
172. sel_____ing attitude	<i>adj.</i> concerned primarily with one's interests and needs rather than those of others; motivated by a desire for personal gain or advantage
173. a remote re_____ve	<i>adj.</i> considered and evaluated through comparison with something else
174. ge_____gy research	<i>n.</i> the study of family history and the tracing of lineages
175. a t__n-lens camera	<i>n.</i> either of two children born at the same time from the same mother
176. br___h office	<i>n.</i> a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

ANSWERS: 166. fellow, 167. par, 168. quantitative, 169. migrate, 170. represent, 171. stratify, 172. self-serving, 173. relative, 174. genealogy, 175. twin, 176. branch

177. the average life s__n *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
178. sm__k confidently *v.* to smile in a way that suggests one is pleased or amused by someone or something, often in a smug or self-satisfied manner
179. aff_____le solution *adj.* not expensive and able to pay
180. co_____t a background check *v.* to organize and carry out a particular activity
181. legal co_____t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
182. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
183. f__e abroad *v.* to leave by running away, especially out of fear or danger
184. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill
185. an_____or language *n.* a person from whom one is descended; a forefather
186. lo___e a tumor *v.* to specify or determine the exact position of someone or something
187. bachelor's de___e *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

ANSWERS: 177. span, 178. smirk, 179. affordable, 180. conduct, 181. context, 182. determinant, 183. flee, 184. technique, 185. ancestor, 186. locate, 187. degree

188. pi__l density *n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image
189. me__e those systems into a new one *v.* to combine or integrate things, or to cause this to happen
190. the science of ge____cs *n.* the branch of biology that studies genes, genetic variation, and heredity in organisms
191. s__n the face of the man *v.* to examine something hastily, with the eyes or with a machine, to get information
192. ob___n a license *v.* to get something, especially by making a great effort
193. pe____ar people *adj.* odd and uncommon, sometimes in an unpleasant way
194. become increasingly com_____ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
195. sh____z gossip *n.* the business or industry of entertainment, especially movies, television, and popular music; the glamorous or flashy aspects of the entertainment industry
196. ecological cor_____on *n.* a statistical relationship between two variables in which one variable is affected by the other; a reciprocal relation between two or more facts, numbers, etc.

ANSWERS: 188. pixel, 189. merge, 190. genetics, 191. scan, 192. obtain, 193. peculiar, 194. complicated, 195. showbiz, 196. correlation

197. ind_____us student *adj.* hardworking, diligent, and persistent in effort
198. co_____t research *v.* to organize and carry out a particular activity
199. earliest human an_____or *n.* a person from whom one is descended; a forefather
200. an_____t stories *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
201. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
202. 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
203. the authority ve____d in an office *adj.* having a legal right to something, especially property or money, that cannot be taken away
204. pe_____ee chart *n.* the recorded ancestry or genealogical background of a person or animal; a list of ancestors, especially of purebred animals, that documents the genetic lineage of a particular animal or line of animals
205. ty_____l leader *adj.* having the usual characteristics or traits of a specific group of things
206. the pr_____nd depths of the sea *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

ANSWERS: 197. industrious, 198. conduct, 199. ancestor, 200. ancient, 201. estimate, 202. colon, 203. vested, 204. pedigree, 205. typical, 206. profound

207. a br___h pipe *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
208. plenary ind_____ce *n.* the state or act of allowing oneself or another person to enjoy the pleasure of something that is considered to be a pleasure or luxury
209. 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
210. racial or___n *n.* the first existence or beginning of something
211. participate in cl_____al trials *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
212. beginning of the industrial rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
213. a political rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
214. a det_____nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
215. fo_____ic team *adj.* relating to the use of scientific methods and techniques to investigate and solve crimes or legal disputes; pertaining to or involved in legal or criminal proceedings; using scientific evidence to support a claim or argument in a court of law or other formal settings

ANSWERS: 207. branch, 208. indulgence, 209. colon, 210. origin, 211. clinical, 212.

revolution, 213. revolution, 214. determinant, 215. forensic

216. driving di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
217. co_____r lines *n.* the outline of its shape or form; a line drawn on a map connecting points of equal height
218. ins_____ant amount *adj.* of little importance, influence, or power
219. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
220. tr_____ry bonds *n.* the government department in charge of managing public funds; the funds of a government or institution or individual
221. va_____te a passport *v.* to check or prove that something is true; to make something officially or legally acceptable or approved
222. tr_____rt facilities *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
223. mi_____t worker *n.* a traveler who moves from one region or country to another, especially to find work or better living conditions; a bird or an animal that moves from one place to another
224. in_____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
225. me__e into a new party *v.* to combine or integrate things, or to cause this to happen

ANSWERS: 216. distance, 217. contour, 218. insignificant, 219. amazing, 220. treasury, 221. validate, 222. transport, 223. migrant, 224. involve, 225. merge

226. des_____nt of a pioneer *n.* children or offspring of a specific person, plant, or animal
227. ge_____gy chart *n.* the study of family history and the tracing of lineages
228. pe_____ar way *adj.* odd and uncommon, sometimes in an unpleasant way
229. an aerial be____n *n.* a light or other visible object serving as a signal, guide, or warning
230. ill_____te a dark hall *v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity
231. a qu_____r mile *n.* one of four equal parts; a fourth part or portion
232. a ro____t appetite *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

ANSWERS: 226. descendant, 227. genealogy, 228. peculiar, 229. beacon, 230. illuminate, 231. quarter, 232. robust

Session 3: Fill in the Blanks

1. Enhanced rail _____ is crucial for our business.
n. a system for moving people or products from one location to another using automobiles, roads, and so on

2. He couldn't help but _____ when he heard her absurd excuse.
v. to smile in a way that suggests one is pleased or amused by someone or something, often in a smug or self-satisfied manner

3. This consulting firm decided to _____ the two companies into one.
v. to combine or integrate things, or to cause this to happen

4. The CEO's decision was _____ in the success of the company's expansion plans.
adj. relating to or acting as a pivot or central point; crucial or essential to the success or outcome of something

5. She stood on the podium and _____ an audience.
v. to examine something hastily, with the eyes or with a machine, to get information

6. He left his wife an _____ fortune.
adj. extremely large or great

7. _____ scientists analyzed the DNA evidence to solve the crime.
adj. relating to the use of scientific methods and techniques to investigate and solve crimes or legal disputes; pertaining to or involved in legal or criminal proceedings; using scientific evidence to support a claim or argument in a court of law or other formal settings

ANSWERS: 1. transportation, 2. smirk, 3. merge, 4. pivotal, 5. scanned, 6. immense, 7. Forensic

8. She received special _____ training at the hospital.

adj. of or relating to the examination and treatment of patients rather than theoretical or laboratory studies

9. The investigation _____ several government agencies and is expected to take several months.

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

10. He is the kind of _____ who only works for his success.

adj. someone who has the same job or interests as you, or is in the same class, profession, or situation as you

11. Please _____ the assignment to me.

v. to give or offer a document, proposal, etc. to a decision-maker for examination or consideration

12. Police will _____ random breath testing for drunk driving.

v. to organize and carry out a particular activity

13. There is a strong _____ between education level and income.

n. a statistical relationship between two variables in which one variable is affected by the other; a reciprocal relation between two or more facts, numbers, etc.

14. The government revoked his license to employ _____ labor crews.

n. a traveler who moves from one region or country to another, especially to find work or better living conditions; a bird or an animal that moves from one place to another

15. His _____ to the charity was a generous donation of money.

n. the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause

ANSWERS: 8. clinical, 9. involves, 10. fellow, 11. submit, 12. conduct, 13. correlation, 14. migrant, 15. contribution

16. Many Germans _____ to South America in the mid-19th century.
v. to move from one country or region to another and settle there; to move from one place to another periodically or seasonally
17. The politician's _____ actions were met with criticism from the public.
adj. concerned primarily with one's interests and needs rather than those of others; motivated by a desire for personal gain or advantage
18. Departments may set requirements for a higher _____ point average.
n. a particular level of quality, size, importance, etc.
19. The protracted war nearly depleted the country's _____.
n. the government department in charge of managing public funds; the funds of a government or institution or individual
20. This documentary deals with the _____ biology of the buffalo.
adj. connected with the process of reproduction; relating to reproducing babies, young animals, or plants
21. 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
22. The athlete's performance _____ all expectations, breaking a world record.
v. to surpass or go beyond a limit, expectation, or requirement; to be better or greater than anticipated or desired
23. It is a basic instinct to _____ from a dangerous situation.
v. to leave by running away, especially out of fear or danger

ANSWERS: 16. migrated, 17. self-serving, 18. grade, 19. treasury, 20. reproductive, 21. represent, 22. exceeded, 23. flee

24. He fastens some sheets of paper with a _____.

n. a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip

25. The chief _____ was responsible for organizing the meeting.

n. a person whose job is to deal with correspondence, keep records, and do administrative work for a company or organization

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

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

27. The _____ research provided statistical evidence to support the hypothesis.

adj. relating to, measuring, or expressing in terms of quantity; involving numerical or statistical data

28. 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

29. 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

30. After a thorough investigation, she has been named as the _____ suspect.

adj. main or most important; basic

31. The automaker has been providing _____ car financing options since last year.

adj. not expensive and able to pay

ANSWERS: 24. clip, 25. secretary, 26. variation, 27. quantitative, 28. subset, 29. database, 30. prime, 31. affordable

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

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

33. Always _____ a lawyer before launching a business.

- v.* to seek or get advice or information from a person, book, or other source having special knowledge on a particular subject

34. The juice has a _____ taste.

- adj.* odd and uncommon, sometimes in an unpleasant way

35. Society tends to _____ people into different economic classes.

- v.* to arrange or divide into layers or strata based on characteristics such as social, economic, or cultural status

36. The _____ process can be long and difficult, but it is worth it for the love of a child.

- n.* the action or fact of legally taking another's child as one's own; the act of accepting with approval

37. He's utterly _____ with his promotion.

- v.* to fill the mind of someone continually so that one can't think of anything else

38. My family gathers together every year for _____ dinner.

- n.* an annual holiday celebrated primarily in the United States and Canada, typically observed on the fourth Thursday in November in the U.S. and on the second Monday in October in Canada, that commemorates the giving of thanks for the blessings of the previous year

39. The lighthouse served as a _____ to guide ships safely into port.

- n.* a light or other visible object serving as a signal, guide, or warning

ANSWERS: 32. trail, 33. consult, 34. peculiar, 35. stratify, 36. adoption, 37. obsessed, 38. thanksgiving, 39. beacon

40. She did well on her _____ exam.

- n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth

41. I was able to _____ the moment on film.

- v.* to catch a person or an animal and confine them in an area which they cannot escape

42. The _____ of the new traffic laws led to a decrease in accidents.

- n.* the act of ensuring that rules, regulations, or laws are obeyed or implemented; the act of applying force or pressure to compel compliance with rules or laws

43. This artwork is _____ of her work.

- adj.* having the usual characteristics or traits of a specific group of things

44. A smaller car will _____ less fuel.

- v.* to spend something, especially fuel, energy, or time, in a large amount

45. As an _____ he had the right to make his own decisions and live his life as he saw fit.

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

46. On the geological time scale, _____ has existed for a brief moment.

- n.* the whole of the living human inhabitants of the earth

47. The dog's _____ proved that it came from a long line of champion show dogs.

- n.* the recorded ancestry or genealogical background of a person or animal; a list of ancestors, especially of purebred animals, that documents the genetic lineage of a particular animal or line of animals

ANSWERS: 40. geography, 41. capture, 42. enforcement, 43. typical, 44. consume, 45. individual, 46. humankind, 47. pedigree

48. Where can I _____ the application form?

v. to get something, especially by making a great effort

49. The teacher attempted to _____ the root cause of our mistake.

v. to think about in-depth and evaluate to discover essential features or meaning

50. The union has a _____ interest in the outcome of the negotiations.

adj. having a legal right to something, especially property or money, that cannot be taken away

51. To _____ your purchase, please visit the following link.

v. to check or prove that something is true; to make something officially or legally acceptable or approved

52. I used to play with my younger male _____ when I was a little girl.

n. the child of your aunt or uncle

53. I don't want to _____ for second best.

v. to reach an agreement of disagreement

54. He was so hungry from the long journey that he had a _____ appetite.

adj. extremely large

55. That biologist _____ the mechanism of heredity.

v. to light something or to make something lighter or brighter; to make something free from confusion or ambiguity

56. He did _____ pen-and-ink drawings in just a few days.

adj. involving a lot of different things or parts in a way that is difficult to understand or analyze

ANSWERS: 48. obtain, 49. analyze, 50. vested, 51. validate, 52. cousins, 53. settle, 54. gigantic, 55. illuminated, 56. complicated

57. The _____ demonstrate that poverty and unemployment are genuine problems.
- n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
58. He is a specialist in the _____ of aging.
- n.* the branch of biology that studies genes, genetic variation, and heredity in organisms
59. _____ design has become more focused on human nature aspect than ever before.
- adj.* of or relating to or resulting from industry
60. Those warriors' _____ are still skilled archers.
- n.* children or offspring of a specific person, plant, or animal
61. The company used this _____ platform to gather ideas for its next product.
- n.* the practice of obtaining needed services, ideas, or content by enlisting the services of a large number of people, either paid or unpaid, typically via the internet
62. _____ engineering focuses on developing new medical technologies and innovations to improve patient health outcomes.
- adj.* relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare
63. Shares in the company finally fell below their ____ value.
- n.* a state of being equal to someone or something

ANSWERS: 57. statistics, 58. genetics, 59. Industrial, 60. descendants, 61. crowdsourcing, 62. Biomedical, 63. par

64. The unemployment rate in the first _____ was 2.3 percentage points higher than in the previous.
- n.* one of four equal parts; a fourth part or portion
65. My remote _____ immigrated to the United States from Ireland in the 1800s.
- n.* a person from whom one is descended; a forefather
66. I love the smell of _____ sizzling in the morning.
- n.* a type of salt-cured pork that is usually sliced and fried; a meat product that is derived from the back or sides of a pig
67. The _____ research showed that the family had ties to royalty in their ancestry.
- n.* a person who studies, researches, or traces family histories or ancestry; someone who specializes in genealogy (= the study of families, family history, and the tracing of their lineages)
68. The experiment yielded _____ results that support his theory.
- adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
69. The marathon runner covered a long _____ in a short amount of time.
- n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
70. 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

ANSWERS: 64. quarter, 65. ancestor, 66. bacon, 67. genealogist's, 68. robust, 69. distance, 70. colon

71. 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
72. I was amazed at the _____ of her generosity.
n. the point or degree or area to which something extends
73. We _____ the season's total trade deficit at \$50 billion.
v. to guess or calculate the cost, size, value, etc. of something
74. A police officer has the authority to _____ a criminal.
v. to take into custody
75. Most countries prohibit sexual activity between certain close _____.
adj. considered and evaluated through comparison with something else
76. I need to _____ these pictures to my computer to edit them.
v. to transfer digital data or files from a local computer or device to a remote server or network; the act of transferring such data or files
77. 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
78. Understanding protein folding is a vital step in deciphering the _____ code.
adj. of or relating to genes (= parts of the DNA in cells) or the science of genes
79. The police are searching for the _____ who stole the jewels.
n. a person who has committed a crime

ANSWERS: 71. context, 72. extent, 73. estimated, 74. arrest, 75. relatives, 76. upload, 77. constructs, 78. genetic, 79. criminal

80. The robot can accurately _____ construction material.

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

81. The Pythagorean theorem is used to calculate the length of the sides of a right _____.

n. a three-sided polygon with three angles; something that has three sides or parts

82. The factory was located on the city's _____ away from residential areas.

n. the outer edge or margin of something, especially a geographical area or a group of people

83. Its _____ brothers are difficult to tell apart except for their parents.

n. either of two children born at the same time from the same mother

84. There was a _____ of impoverished farmers into the towns.

n. the movement of animals to a new location, frequently as the seasons change

85. The _____ of the country is changing rapidly due to migration and the aging population

n. the study of the statistics of human populations, such as size, growth, density, distribution, and vital statistics

86. The phone rang at the most _____ time.

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

87. The golfer recorded an _____ distance.

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

ANSWERS: 80. locate, 81. triangle, 82. periphery, 83. twin, 84. migration, 85. demography, 86. opportune, 87. amazing

88. She _____ quietly in response to the question.
v. to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation
89. He was known to be very _____ and would often work late into the night.
adj. hardworking, diligent, and persistent in effort
90. The _____ by the citizen resulted in a redistribution of wealth.
n. a large-scale attempt to overthrow the government of a country, often using violence or war;
91. 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
92. He slightly modified the _____ of training because it was just before a match.
n. the entire length of something, such as time or space from beginning to end; the amount of space that something covers
93. This trail takes _____ 2.5 hours.
adv. close to a specific number or time but not exactly that number or time
94. This initiative will be a _____ for increasing company sales.
n. a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
95. We may frequently _____ age with the frequency of disease.
v. to have a connection or relationship in which one thing affects or depends on another

ANSWERS: 88. nodded, 89. industrious, 90. revolution, 91. environment, 92. span, 93. approximately, 94. lever, 95. correlate

96. The _____ tradition has been passed down for generations, and there is great pride in maintaining the family's heritage.

adj. (the antonym of "matrilineal") relating to or based on a father's lineage or descent; inherited or passed down through the male line

97. The government should view children as national assets and actively _____ in them.

v. to put money, effort, time, etc. into something to make a profit or achieve a result

98. Jockey's superior _____ brought him victory.

n. a particular way or art of doing something that needs skill

99. The sun set over the crest of _____ hills.

adj. far away in space, time, or where you are; far apart in relevance, relationship, or kinship

100. The singer's career in _____ began with a small role in a television series.

n. the business or industry of entertainment, especially movies, television, and popular music; the glamorous or flashy aspects of the entertainment industry

101. The _____ of the Atlantic coast of America is very complicated.

n. the outline of its shape or form; a line drawn on a map connecting points of equal height

102. My mother's illness had a _____ impact on us all.

adj. extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

103. They have been living near water since _____ times.

adj. relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old

ANSWERS: 96. patrilineal, 97. invest, 98. technique, 99. distant, 100. showbiz, 101. contour, 102. profound, 103. ancient

104. The _____ of the tree had fallen and blocked the road.

- n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

105. This ad is intended to _____ a competing product.

- v.* to make fun of someone or make jokes about them, either in a playful way or to upset them; to separate the fibers of something; to ruffle a person's or animal's hair by combing

106. There are various hypotheses concerning the _____ of life.

- n.* the first existence or beginning of something

107. 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

108. He is proud of the _____ of the business.

- n.* the property of being long-lived; significant duration of service

109. He made me feel small and _____.

- adj.* of little importance, influence, or power

110. We are motivated by _____ rather than necessity.

- n.* a strong desire to know or learn about something

111. He allowed himself a few small _____ during his diet.

- n.* the state or act of allowing oneself or another person to enjoy the pleasure of something that is considered to be a pleasure or luxury

ANSWERS: 104. branch, 105. tease, 106. origin, 107. process, 108. longevity, 109. insignificant, 110. curiosity, 111. indulgences

112. One _____ of success is having a positive attitude and a strong work ethic.
- n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
113. She spent hours tracing her family tree and discovering new information about her _____.
- n.* the study of family history and the tracing of lineages
114. Launching an artificial _____ contributed to the technological development of our country.
- n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
115. The computer screen comprises thousands of tiny _____ that create the overall picture.
- n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image
116. She received her _____ in psychology from the university.
- n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

ANSWERS: 112. determinant, 113. genealogy, 114. satellite, 115. pixels, 116. degree