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Vocabulary Builder Reference from...

Svante Pääbo: DNA clues to our inner neanderthal |

TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

genome

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

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

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

extinct

adj. no longer in existence

synonym: dead, obsolete, abolished

(1) **extinct** by human activity, (2) long- **extinct** volcano

Many species have become **extinct** due to habitat destruction and other human activities.

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.

chromosome

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

synonym : DNA

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

helix

n. a three-dimensional spiral shape or structure,
particularly like that of a spring or a DNA molecule

synonym : coil, spiral, twist

(1) **helix** structure, (2) alpha **helix**

The DNA molecule is shaped like a double **helix**.

molecule

n. a group of two or more atoms held together by attractive
forces known as chemical bonds

synonym : particle, element, atom

(1) small **molecules**, (2) **molecule** behavior

The shape of the DNA **molecule** is a double helix.

sequence

n. a series of related events, actions, numbers, etc., which
have a particular order

synonym : arrangement, succession, series

(1) the **sequence** of the seasons, (2) the DNA **sequence**

We do move forward with those tasks in **sequence** next
week.

abbreviate

v. to shorten a word or phrase by leaving out some of the
letters or syllables; to make something shorter or more
concise

synonym : shorten, truncate, condense

(1) **abbreviate** words, (2) **abbreviate** a long document

I will **abbreviate** the title of the article to save space.

strand

n. a very thin natural or synthetic thread, wire, hair, etc.;
(verb) to leave or drive a vessel, fish, etc., aground or
ashore

synonym : fiber, filament, string

(1) a **strand** of fine hair, (2) double- **strand** DNA

I heard several melodic **strands** simultaneously.

synthesize

v. to combine a substance to make a more complex product or compound

synonym : incorporate, amalgamate

(1) **synthesize** molecules, (2) **synthesize** information

The spider can **synthesize** multiple different silk proteins.

template

n. a pre-designed file or document used as a starting point for a particular application so that the format does not have to be created from scratch

synonym : pattern, model, blueprint

(1) **template** file, (2) **template** design

The **template** format provided a useful guide for creating the budget.

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.

mutation

n. the way in which genes of a person, plant, animal, or other organism change and produce permanent differences

synonym : metamorphosis, transformation, alteration

(1) **mutation** of DNA, (2) hereditary **mutation**

Radiation often promotes genetic **mutations** in plants and animals.

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.

accumulate

v. to collect or acquire a large number of things over a long period of time

synonym: amass, stash, earn

(1) **accumulate** cash value, (2) **accumulate** evidence

He has **accumulated** his wealth through real estate investments.

function

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

synonym: purpose, mapping, job

(1) **function** properly, (2) immune **function**

The brain is an incredibly complex organ that controls the body's **function**.

chimpanzee

n. a small, very intelligent ape found in west and central Africa with black or brown fur

synonym: ape, chimp, pan troglodytes

(1) **chimpanzee** behavior, (2) **chimpanzee** society

Many zoos have **chimpanzee** exhibits, allowing visitors to observe these intelligent primates up close.

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.

observe

v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

synonym: watch, monitor, scrutinize

(1) **observe** a tradition, (2) **observe** wildlife

It is important to **observe** safety procedures in the workplace to prevent accidents.

depict

v. to illustrate someone or something in a photograph

synonym : illustrate, describe, express

(1) **depict** a scene, (2) **depict** a feeling of isolation

His son had accurately **depicted** the bloom.

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.

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.

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.

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.

determinant

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

synonym :

cause, factor, element

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

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

distribute

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

synonym: broadcast, disperse, hand out

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

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

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.

moreover

adv. indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before

synonym: furthermore, besides, in addition

(1) **moreover**, she decided to go, (2) but **moreover**, they work well together

The company is environmentally conscious, and **moreover**, it uses sustainable materials in its products.

variant

n. something that is slightly different from others of the same type

synonym: variation, modification, variance

(1) **variant** types of pigeon, (2) a **variant** of the same word

The first **variant** of the virus appeared in less than a month.

relate

v. to establish a connection or association between two or more things; to narrate or tell about an event,

experience, or relationship; to empathize or feel sympathy with someone or something

synonym : connect, link, associate

(1) **relate** a story, (2) **relate** a message

He tried to **relate** his experience to the group, but they couldn't understand.

component

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

synonym : element, part, factor

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

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

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**.

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.

insight

n. the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like

synonym : wisdom, discernment, understanding

(1) a profound **insight**, (2) share my **insights**

We gained various **insights** by analyzing the vast amount of

data owned by the company.

modern

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

synonym: contemporary, stylish, current

(1) **modern** poetry, (2) pre-**modern** agricultural society

Their headquarters are in a **modern** skyscraper.

essentially

adv. relating to the essential features or concepts of anything

synonym: fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same

Essentially, a society is an organism.

indistinct

adj. not clear or easily seen, heard, or understood

synonym: faint, blurred, hazy

(1) **indistinct** memory, (2) **indistinct** pronunciation

The **indistinct** shape in the fog made it difficult to determine what it was.

evolve

v. to develop gradually, or to cause the development of something or someone gradually

synonym: develop, mature, grow

(1) **evolve**, (2) **evolve** over the past decade

Eyeless fish **evolved** in dark caves.

colonize

v. to establish a colony in or on a specific place; to settle or occupy in large numbers

synonym: settle, occupy, inhabit

(1) **colonize** planets, (2) **colonize** for cultivation

European powers **colonized** much of the Americas in the 16th and 17th centuries.

perspective

n. a confident attitude toward something; a particular style of thinking about something

synonym: viewpoint, standpoint, outlook

(1) a **perspective** view, (2) the **perspective** of the battle

His father's death changed his whole **perspective** on life.

exile

n. the state of being forced to leave one's country or home, typically for political or punitive reasons

synonym: banishment, expulsion, deportation

(1) **exile** community, (2) political **exile**

The **exiled** king lived in poverty in a foreign country for many years.

consequence

n. the outcome of a particular action or event, especially relative to an individual

synonym: result, impact, outcome

(1) unintended **consequences**, (2) the **consequence** of an argument

These economic activities had disastrous environmental **consequences**.

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.

vary

v. to become different in terms of size, shape, etc.

synonym: alter, contrast, differ

(1) **vary** according to the age, (2) **vary** directly with the price

Maximum heart rates **vary** a lot for each individual.

gradient

n. the degree or rate of incline or decline along a physical or abstract line; a gradual progression

synonym: slope, incline, grade

(1) **gradient** descent, (2) economic **gradient**

The road's **gradient** was steep, making it challenging for cyclists.

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.

accurate

adj. correct and exact in all details

synonym : exact, precise, proper

(1) provide **accurate** information, (2) **accurate** measurements

The official transcript contains **accurate** academic records.

grandparent

n. a parent of one's father or mother

(1) great- **grandparent**, (2) person of **grandparent** age

She was close to her paternal **grandparents** and often spent summers with them.

continent

n. one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex

synonym : landmass, (adjective) chaste, (adjective) pure

(1) the inland of a **continent**, (2) **continent** urinary diversion

Flight across the **continent** was a daring adventure in its day.

underway

adj. having started and currently in progress

synonym : afoot, ongoing, in motion

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

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

variance

n. the fact or quality that two or more things are different, divergent, or inconsistent; a difference between conflicting facts, claims, or opinions

synonym : difference, conflict, disagreement

(1) **variance** analysis, (2) having no **variance**

The article is at **variance** with the truth.

variable

adj. likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed

synonym : erratic, inconsistent, irregular

(1) a **variable** species, (2) a dependent **variable**

Rainfall in the tropics is highly **variable**.

absolute

adj. perfect or complete or to the most considerable degree possible

synonym : complete, infrangible, indisputable

(1) **absolute** loyalty, (2) an **absolute** must

Gandhi had an **absolute** zeal for nonviolence.

classify

v. to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties

synonym : categorize, sort, arrange

(1) **classify** images, (2) **classify** emails into folders

I need to **classify** these documents for the upcoming audit.

relax

v. to become or cause someone to become less active or tense and calmer

synonym : soften, comfort, soothe

(1) **relax** a series of muscles, (2) **relax** at home

The rules were **relaxed** after the new executive arrived.

criteria

n. (plural of criterion) standards or conditions by which something may be judged or decided

synonym : bars, benchmarks, standards

(1) **criteria** for action, (2) consistency **criteria**

He didn't meet all the **criteria**, but he was hired anyway.

accuracy

n. the state or degree of being exact or correct; the ability to perform something with proficiency and without mistake

synonym : precision, exactness, truthfulness

(1) degree of **accuracy**, (2) the **accuracy** of his compass

To assure **accuracy**, I recommend investing in high-quality test kits.

predict

v. to state beforehand that something will happen in the future, mainly based on knowledge or experience

synonym: forecast, anticipate, foresee

(1) **predict** the future, (2) **predict** when she will arrive

It's notoriously challenging to **predict** birth rates.

trait

n. a particular feature of your nature

synonym: attribute, feature, quality

(1) chemical **trait**, (2) personality **traits**

Multiple genes may influence behavioral **traits** concurrently.

facial

adj. of or relating to a person's face

synonym: forward, front, surface

(1) **facial** nerve, (2) **facial** expressions

Facial profiling is a new form of airport security.

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.

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.

frequency

n. an ordered array of colors into which a light beam can be split

synonym: recurrence, repetition, regularity

(1) **frequency** band, (2) high **frequency**

The oscillator hunts for the correct **frequency**.

worthwhile

adj. having value or benefit; sufficiently important or beneficial to be worthy of time or effort; deserving of attention or consideration

synonym : valuable, rewarding, significant

(1) **worthwhile** investment, (2) **worthwhile** endeavor

Volunteering for a **worthwhile** cause is important for building a sense of community.

metabolism

n. the set of chemical reactions in cells or organisms that are necessary for life-sustaining

(1) **metabolism** enzyme, (2) hemoglobin **metabolism**

Better sleep leads to increased **metabolism**.

ingest

v. to take food or drink into the body, often through the mouth; to absorb or assimilate something, often used to describe the intake of information or knowledge

synonym : swallow, consume, devour

(1) **ingest** food, (2) **ingest** medication

People who compulsively **ingest** non-food items, such as dirt or chalk, suffer from a condition called pica.

immune

adj. protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells

synonym : resistant, unsusceptible, unaffected

(1) **immune** from criminal prosecution, (2) the cell of the **immune** system

The vaccination does not necessarily make you completely **immune**.

microbe

n. a tiny living thing that can only be seen with a microscope and that may cause disease

synonym : germ, microorganism, bacterium

(1) pathogenic **microbe**, (2) **microbes** sterilizer

Microbes thrive on the surface of the human skin.

invade

v. to enter aggressively into another's territory by military force for conquest and occupation

synonym: intrude, raid, overrun

(1) **invade** other tissues, (2) **invade** his privacy

I have no intention to **invade** your privacy.

interact

v. to communicate or react with somebody

synonym: cooperate, combine, collaborate

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

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

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**.

confrontation

n. the act of facing or dealing with something directly and openly; a direct and often hostile encounter or disagreement

synonym: face-off, conflict, competition

(1) violent **confrontation**, (2) verbal **confrontation**

The **confrontation** between the two nations escalated into a full-blown war.

influence

n. the ability to affect someone's or something's character, growth, or behavior, or the effect itself

synonym: power, leverage, effect

(1) **influence** a child's future, (2) **influence** the daily life

The former emperor had a particular **influence** even after he abdicated.

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?

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.

kidney

n. either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine

(1) an artificial **kidney**, (2) chronic **kidney** disease

The surgeon removed the healthy **kidney** from the donor.

liver

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

(1) **liver** disease, (2) fatty **liver**

The patient will undergo **liver** transplant surgery tomorrow.

emerge

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

synonym: arise, occur, appear

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

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

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.

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.

skeleton

n. the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant

synonym : bones, frame, structure

(1) the steel **skeleton** of a building, (2) **skeleton** hand

Scientists studied the ancient **skeleton** to learn more about the creature's anatomy.

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.

convert

v. to have a talk with someone; (adjective) reversed in order, relation, or action

synonym : alter, remake, transform

(1) **convert** fat into energy, (2) **convert** base 10 to base 16

I want to **convert** my sadness into strength.

contamination

n. the presence of something harmful or unwanted in a substance, material, or environment; the act of introducing harmful substances or materials into an environment or area

synonym : pollution, defilement, infection

(1) **contamination** levels, (2) soil **contamination**

The **contamination** of the water supply led to widespread

illness in the community.

experiment

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

synonym: experimentation, investigation

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

His **experiments** showed highly positive results.

conjunction

n. the state of being joined, united, or associated; a part of speech that connects words, phrases, or clauses, such as and, but, while

synonym: combination, intersection, coexistence

(1) in **conjunction** with other agents, (2) causal **conjunction**

A **conjunction** of three mistakes caused the accident.

doe

n. a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

synonym: rabbit, bunny, hare

(1) **doe** rabbit, (2) buck and **doe**

Hunters use a whistle that makes the **doe** sound to lure stags.

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.

propose

v. to make a proposal, declare a plan for something

synonym: suggest, offer, recommend

(1) **propose** the amendment, (2) **propose** changes

I want to **propose** a toast in honor of our longstanding relationship.

presumably

adv. believed to be true or likely based on the available evidence, or supposed to be the case without definite

proof

synonym : likely, seemingly, supposedly

(1) **presumably** accurate, (2) **presumably** refuse the offer

The witness's testimony was **presumably** based on what he had seen and heard.

refer

v. to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

synonym : cite, allude, mention

(1) **refer** to a book, (2) **refer** to a map

Please **refer** to the instruction manual for further assistance.

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.

cave

n. a large hole in the side of a hill, cliff, mountain, or under the ground

synonym : cavern, grotto, burrow

(1) domiciliary **caves**, (2) the mouth of the **cave**

Bats reside in sheltered **caves**.

archaeology

n. the branch of anthropology that studies prehistoric people and their cultures

(1) the institute of **archaeology**, (2) prehistoric **archaeology**

She teaches **archaeology** at the local university.

phalanx

n. a close and tightly-packed formation of troops, typically in ancient warfare; a united or closely-knit group of individuals working together towards a common purpose or goal

synonym : formation, array, army

(1) finger **phalanx**, (2) finger **phalanx**

The soldiers marched in a **phalanx** formation, ready for battle.

preserve

v. to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed

synonym: conserve, care for, maintain

(1) **preserve** my strength, (2) **preserve** a country's heritage
They worked hard to **preserve** the nature of their native lands.

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.

independence

n. freedom from another's or others' control or influence

synonym: freedom, liberty, autonomy

(1) financial **independence**, (2) **independence** ceremony
There is nothing more valuable than **independence** and freedom.

surprisingly

adv. in a way that causes amazement or wonder

synonym: exceptionally, notably, unusually

(1) **surprisingly** advanced culture, (2) have **surprisingly** little effect

The exam was **surprisingly** tricky for everyone.

guinea

n. a former British gold coin worth 21 shillings or a unit of currency used in some West African countries; (Guinea) a republic in western Africa on the Atlantic

synonym: coin, money, currency

(1) **guinea** coins, (2) **guinea** pig

The cost of the antique vase is three **guineas**.

pacific

adj. peaceful in character or intent; tending to lessen or avoid conflict; calm or soothing in manner or tone;
(noun, as "Pacific") the largest and deepest of Earth's oceanic divisions

synonym : calm, peaceful, tranquil

(1) **pacific-natured** disposition, (2) the **Pacific** Ocean

They adopted a **pacific** approach to resolving their differences, emphasizing dialogue and understanding.

widespread

adj. existing or happening in various places or among many people

synonym : across-the-board, overall, general

(1) **widespread** use, (2) **widespread** fear of nuclear war

In medieval times, death punishment was **widespread** and socially accepted.

disappear

v. to cease to exist or be visible

synonym : fade, evaporate, vanish

(1) **disappear** without a trace, (2) **disappear** after a week

They watched the train **disappear** into the distance.

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.

mention

v. to speak or write about something or someone briefly

synonym : reference, allude, cite

(1) **mention** name, (2) **mention** in a report

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

Session 2: Spelling

1. te____te design *n.* a pre-designed file or document used as a starting point for a particular application so that the format does not have to be created from scratch
2. re__x at home *v.* to become or cause someone to become less active or tense and calmer
3. the cell of the im____e system *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
4. co____t fat into energy *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
5. v__y according to the age *v.* to become different in terms of size, shape, etc.
6. 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
7. in_____ce the daily life *n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself
8. finger ph____x *n.* a close and tightly-packed formation of troops, typically in ancient warfare; a united or closely-knit group of individuals working together towards a common purpose or goal

ANSWERS: 1. template, 2. relax, 3. immune, 4. convert, 5. vary, 6. colon, 7. influence, 8. phalanx

9. chi_____ee society *n.* a small, very intelligent ape found in west and central Africa with black or brown fur
10. d_e rabbit *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
11. a va_____t of the same word *n.* something that is slightly different from others of the same type
12. the institute of arc_____gy *n.* the branch of anthropology that studies prehistoric people and their cultures
13. pr_____t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
14. chi_____ee behavior *n.* a small, very intelligent ape found in west and central Africa with black or brown fur
15. become ess_____ly same *adv.* relating to the essential features or concepts of anything
16. ind_____al freedom *n.* a single person or thing, as distinct from a group
17. economic gr_____nt *n.* the degree or rate of incline or decline along a physical or abstract line; a gradual progression
18. have sur_____gly little effect *adv.* in a way that causes amazement or wonder
19. gu___a coins *n.* a former British gold coin worth 21 shillings or a unit of currency used in some West African countries; (Guinea) a republic in western Africa on the Atlantic

ANSWERS: 9. chimpanzee, 10. doe, 11. variant, 12. archaeology, 13. predict, 14. chimpanzee, 15. essentially, 16. individual, 17. gradient, 18. surprisingly, 19. guinea

20. tr_____rm heat into power *v.* to change in outward structure or looks;
21. the se_____ce of the seasons *n.* a series of related events, actions, numbers, etc., which have a particular order
22. fa____l expressions *adj.* of or relating to a person's face
23. major paradigm sh__t *n.* a slight transition in position, direction, or trend
24. ad_____on of vectors *n.* the act or process of adding something to something else; the process of adding numbers
25. consistency cr_____ia *n.* (plural of criterion) standards or conditions by which something may be judged or decided
26. re___e a message *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
27. app_____ely 3 feet long *adv.* close to a specific number or time but not exactly that number or time
28. great-gra_____nt *n.* a parent of one's father or mother
29. provide ac_____te information *adj.* correct and exact in all details
30. in con_____on with other agents *n.* the state of being joined, united, or associated; a part of speech that connects words, phrases, or clauses, such as and, but, while
31. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge

ANSWERS: 20. transform, 21. sequence, 22. facial, 23. shift, 24. addition, 25. criteria, 26. relate, 27. approximately, 28. grandparent, 29. accurate, 30. conjunction, 31. experiment

32. an artificial ki___y *n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine
33. fairly ty_____l symptoms *adj.* having the usual characteristics or traits of a specific group of things
34. earliest human an_____or *n.* a person from whom one is descended; a forefather
35. but mo_____er, they work well together *adv.* indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before
36. acc_____te evidence *v.* to collect or acquire a large number of things over a long period of time
37. he__x structure *n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule
38. violent con_____ion *n.* the act of facing or dealing with something directly and openly; a direct and often hostile encounter or disagreement
39. de___t a scene *v.* to illustrate someone or something in a photograph
40. or___n of information *n.* the first existence or beginning of something
41. 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: 32. kidney, 33. typical, 34. ancestor, 35. moreover, 36. accumulate, 37. helix, 38. confrontation, 39. depict, 40. origin, 41. process

42. the ac____cy of his compass *n.* the state or degree of being exact or correct; the ability to perform something with proficiency and without mistake
43. the Pa____c Ocean *adj.* peaceful in character or intent; tending to lessen or avoid conflict; calm or soothing in manner or tone; (noun, as "Pacific") the largest and deepest of Earth's oceanic divisions
44. pr____ve my strength *v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
45. hemoglobin met____sm *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
46. pre-Christian an____t *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
47. gr____nt descent *n.* the degree or rate of incline or decline along a physical or abstract line; a gradual progression
48. abb____te a long document *v.* to shorten a word or phrase by leaving out some of the letters or syllables; to make something shorter or more concise
49. Doppler sh__t *n.* a slight transition in position, direction, or trend
50. pr____e changes *v.* to make a proposal, declare a plan for something

ANSWERS: 42. accuracy, 43. pacific, 44. preserve, 45. metabolism, 46. ancient, 47. gradient, 48. abbreviate, 49. shift, 50. propose

51. in_____ct directly with customers *v.* to communicate or react with somebody
52. campaign now un_____ay *adj.* having started and currently in progress
53. ge_____e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
54. va_____ce analysis *n.* the fact or quality that two or more things are different, divergent, or inconsistent; a difference between conflicting facts, claims, or opinions
55. de_____t a feeling of isolation *v.* to illustrate someone or something in a photograph
56. the DNA se_____ce *n.* a series of related events, actions, numbers, etc., which have a particular order
57. cr_____ia for action *n.* (plural of criterion) standards or conditions by which something may be judged or decided
58. 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
59. high fr_____cy *n.* an ordered array of colors into which a light beam can be split
60. racial or_____n *n.* the first existence or beginning of something
61. em_____e from poverty *v.* to move out of or away from something and become visible
62. re_____ve factors *adj.* considered and evaluated through comparison with something else

ANSWERS: 51. interact, 52. underway, 53. genome, 54. variance, 55. depict, 56. sequence, 57. criteria, 58. planet, 59. frequency, 60. origin, 61. emerge, 62. relative

63. personality tr__ts *n.* a particular feature of your nature
64. chemical ad____on *n.* the act or process of adding something to something else; the process of adding numbers
65. 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
66. mi____es sterilizer *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
67. ev___e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
68. co____ze for cultivation *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
69. sta____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
70. dis____te video content *v.* to give something to a large number of individuals, or to spread or furnish something
71. ex____t by human activity *adj.* no longer in existence
72. a private ind____al *n.* a single person or thing, as distinct from a group

ANSWERS: 63. trait, 64. addition, 65. extract, 66. microbe, 67. evolve, 68. colonize, 69. statistics, 70. distribute, 71. extinct, 72. individual

73. di_____ar after a week *v.* to cease to exist or be visible
74. a remote re_____ve *adj.* considered and evaluated through comparison with something else
75. having no va_____ce *n.* the fact or quality that two or more things are different, divergent, or inconsistent; a difference between conflicting facts, claims, or opinions
76. double-st____d DNA *n.* a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore
77. ind_____ct pronunciation *adj.* not clear or easily seen, heard, or understood
78. 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
79. in_____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
80. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
81. co_____t base 10 to base 16 *v.* to have a talk with someone; (adjective) reversed in order, relation, or action

ANSWERS: 73. disappear, 74. relative, 75. variance, 76. strand, 77. indistinct, 78. process, 79. involve, 80. determinant, 81. convert

82. 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
83. in_____ce a child's future *n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself
84. wid_____ad use *adj.* existing or happening in various places or among many people
85. spare co_____nts for cars *n.* one of several parts that combines with others to form something bigger
86. prehistoric arc_____gy *n.* the branch of anthropology that studies prehistoric people and their cultures
87. share my in_____ts *n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
88. 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
89. es_____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
90. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
91. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 82. structure, 83. influence, 84. widespread, 85. component, 86. archaeology, 87. insight, 88. colon, 89. estimate, 90. involve, 91. environment

102. ro___t growth *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
103. re__r to a map *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
104. soil con_____ion *n.* the presence of something harmful or unwanted in a substance, material, or environment; the act of introducing harmful substances or materials into an environment or area
105. a sex chr_____me *n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like
106. the con_____ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual
107. intellectual f__t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
108. the ex___t of the damage *n.* the point or degree or area to which something extends
109. wor_____le endeavor *adj.* having value or benefit; sufficiently important or beneficial to be worthy of time or effort; deserving of attention or consideration
110. pr_____e the amendment *v.* to make a proposal, declare a plan for something

ANSWERS: 102. robust, 103. refer, 104. contamination, 105. chromosome, 106. consequence, 107. feat, 108. extent, 109. worthwhile, 110. propose

111. v__y directly with the price *v.* to become different in terms of size, shape, etc.
112. gene va_____on *n.* the act or state of changing; a difference or change in the way something is done, made or said
113. a ro___t appetite *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
114. re__r to a book *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
115. in___e other tissues *v.* to enter aggressively into another's territory by military force for conquest and occupation
116. acc_____te cash value *v.* to collect or acquire a large number of things over a long period of time
117. im___e from criminal prosecution *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
118. chronic ki___y disease *n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine
119. app_____ely same *adv.* close to a specific number or time but not exactly that number or time
120. pr_____t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience

ANSWERS: 111. vary, 112. variation, 113. robust, 114. refer, 115. invade, 116. accumulate, 117. immune, 118. kidney, 119. approximately, 120. predict

121. syn_____ze molecules *v.* to combine a substance to make a more complex product or compound
122. certain ex____t *n.* the point or degree or area to which something extends
123. have ge_____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
124. ex__e community *n.* the state of being forced to leave one's country or home, typically for political or punitive reasons
125. pre_____ly accurate *adv.* believed to be true or likely based on the available evidence, or supposed to be the case without definite proof
126. me_____n in a report *v.* to speak or write about something or someone briefly
127. dis_____te wealth evenly *v.* to give something to a large number of individuals, or to spread or furnish something
128. fr_____cy band *n.* an ordered array of colors into which a light beam can be split
129. sequencing of the human ge____e *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
130. an_____t stories *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
131. pathogenic mi_____e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
132. syn_____ze information *v.* to combine a substance to make a more complex product or compound

ANSWERS: 121. synthesize, 122. extent, 123. genetic, 124. exile, 125. presumably, 126. mention, 127. distribute, 128. frequency, 129. genome, 130. ancient, 131. microbe, 132. synthesize

133. verbal con_____ion *n.* the act of facing or dealing with something directly and openly; a direct and often hostile encounter or disagreement
134. di_____ar without a trace *v.* to cease to exist or be visible
135. mo_____le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
136. person of gra_____nt age *n.* a parent of one's father or mother
137. long-ex_____t volcano *adj.* no longer in existence
138. an_____or language *n.* a person from whom one is descended; a forefather
139. sk_____on hand *n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
140. re_____e a story *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
141. ess_____ly correct *adv.* relating to the essential features or concepts of anything
142. pre_____ly refuse the offer *adv.* believed to be true or likely based on the available evidence, or supposed to be the case without definite proof
143. 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

ANSWERS: 133. confrontation, 134. disappear, 135. molecule, 136. grandparent, 137. extinct, 138. ancestor, 139. skeleton, 140. relate, 141. essentially, 142. presumably, 143. structure

144. rec_____ct an image *v.* to build or form something again that has been damaged or destroyed
145. domiciliary c__es *n.* a large hole in the side of a hill, cliff, mountain, or under the ground
146. ac_____te measurements *adj.* correct and exact in all details
147. ob_____e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
148. the mouth of the c__e *n.* a large hole in the side of a hill, cliff, mountain, or under the ground
149. pa_____c-natured disposition *adj.* peaceful in character or intent; tending to lessen or avoid conflict; calm or soothing in manner or tone; (noun, as "Pacific") the largest and deepest of Earth's oceanic divisions
150. in_____ct with one another *v.* to communicate or react with somebody
151. wor_____le investment *adj.* having value or benefit; sufficiently important or beneficial to be worthy of time or effort; deserving of attention or consideration
152. ind_____nce ceremony *n.* freedom from another's or others' control or influence
153. 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: 144. reconstruct, 145. cave, 146. accurate, 147. observe, 148. cave, 149. pacific, 150. interact, 151. worthwhile, 152. independence, 153. extract

154. f__t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
155. in___e his privacy *v.* to enter aggressively into another's territory by military force for conquest and occupation
156. pre-mo___n agricultural society *adj.* of or belonging to the present time or recent times
157. political ex__e *n.* the state of being forced to leave one's country or home, typically for political or punitive reasons
158. fa___l nerve *adj.* of or relating to a person's face
159. 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
160. gu___a pig *n.* a former British gold coin worth 21 shillings or a unit of currency used in some West African countries; (Guinea) a republic in western Africa on the Atlantic
161. just getting un____ay *adj.* having started and currently in progress
162. small mo____les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
163. 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

ANSWERS: 154. feat, 155. invade, 156. modern, 157. exile, 158. facial, 159. planet, 160. guinea, 161. underway, 162. molecule, 163. determinant

174. immune fu____on
- n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
175. pr____ve a country's heritage
- v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
176. fatty li__r
- n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
177. wid_____ad fear of nuclear war
- adj.* existing or happening in various places or among many people
178. cl____fy images
- v.* to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties
179. chemical tr__t
- n.* a particular feature of your nature
180. ob____e a tradition
- v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

ANSWERS: 174. function, 175. preserve, 176. liver, 177. widespread, 178. classify, 179. trait, 180. observe

181. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
182. ty_____l leader *adj.* having the usual characteristics or traits of a specific group of things
183. fu_____on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
184. mo_____er, she decided to go *adv.* indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before
185. va_____t types of pigeon *n.* something that is slightly different from others of the same type
186. em_____e as a butterfly *v.* to move out of or away from something and become visible
187. va_____on of temperature *n.* the act or state of changing; a difference or change in the way something is done, made or said
188. rec_____ct the original text *v.* to build or form something again that has been damaged or destroyed
189. mu_____on of DNA *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences

ANSWERS: 181. environment, 182. typical, 183. function, 184. moreover, 185. variant, 186. emerge, 187. variation, 188. reconstruct, 189. mutation

190. hereditary mu_____on *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
191. financial ind_____nce *n.* freedom from another's or others' control or influence
192. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
193. con_____ion levels *n.* the presence of something harmful or unwanted in a substance, material, or environment; the act of introducing harmful substances or materials into an environment or area
194. the end of chr_____me *n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like
195. buck and d_e *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
196. alpha he__x *n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule
197. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
198. a va_____le species *adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
199. a st___d of fine hair *n.* a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore

ANSWERS: 190. mutation, 191. independence, 192. experiment, 193. contamination, 194. chromosome, 195. doe, 196. helix, 197. estimate, 198. variable, 199. strand

200. co_____nt urinary diversion *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
201. a dependent va_____le *adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
202. met_____sm enzyme *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
203. the per_____ve of the battle *n.* a confident attitude toward something; a particular style of thinking about something
204. me_____n name *v.* to speak or write about something or someone briefly
205. the inland of a co_____nt *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
206. degree of ac_____cy *n.* the state or degree of being exact or correct; the ability to perform something with proficiency and without mistake
207. unintended con_____ces *n.* the outcome of a particular action or event, especially relative to an individual
208. causal con_____on *n.* the state of being joined, united, or associated; a part of speech that connects words, phrases, or clauses, such as and, but, while

ANSWERS: 200. continent, 201. variable, 202. metabolism, 203. perspective, 204. mention, 205. continent, 206. accuracy, 207. consequence, 208. conjunction

209. a profound in_____t

n. the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like

ANSWERS: 209. insight

Session 3: Fill in the Blanks

1. The surgeon removed the healthy _____ from the donor.
 - n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine

2. The company is environmentally conscious, and _____ it uses sustainable materials in its products.
 - adv.* indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before

3. Flight across the _____ was a daring adventure in its day.
 - n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex

4. 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

5. Please _____ to the instruction manual for further assistance.
 - v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

6. It is important to _____ safety procedures in the workplace to prevent accidents.
 - v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

ANSWERS: 1. kidney, 2. moreover, 3. continent, 4. determinant, 5. refer, 6. observe

7. The oscillator hunts for the correct _____.
- n.* an ordered array of colors into which a light beam can be split
8. There are various hypotheses concerning the _____ of life.
- n.* the first existence or beginning of something
9. The soldiers marched in a _____ formation, ready for battle.
- n.* a close and tightly-packed formation of troops, typically in ancient warfare; a united or closely-knit group of individuals working together towards a common purpose or goal
10. The rules were _____ after the new executive arrived.
- v.* to become or cause someone to become less active or tense and calmer
11. The first _____ of the virus appeared in less than a month.
- n.* something that is slightly different from others of the same type
12. I want to _____ my sadness into strength.
- v.* to have a talk with someone; (adjective) reversed in order, relation, or action
13. We _____ the season's total trade deficit at \$50 billion.
- v.* to guess or calculate the cost, size, value, etc. of something
14. The vaccination does not necessarily make you completely _____.
- adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
15. Maximum heart rates _____ a lot for each individual.
- v.* to become different in terms of size, shape, etc.

ANSWERS: 7. frequency, 8. origin, 9. phalanx, 10. relaxed, 11. variant, 12. convert, 13. estimated, 14. immune, 15. vary

16. Many species have become _____ due to habitat destruction and other human activities.

adj. no longer in existence

17. The researchers try to discover a common _____ in all types of successful organizations.

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

18. 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

19. The patient will undergo _____ transplant surgery tomorrow.

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

20. 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

21. They adopted a _____ approach to resolving their differences, emphasizing dialogue and understanding.

adj. peaceful in character or intent; tending to lessen or avoid conflict; calm or soothing in manner or tone; (noun, as "Pacific") the largest and deepest of Earth's oceanic divisions

22. _____ thrive on the surface of the human skin.

n. a tiny living thing that can only be seen with a microscope and that may cause disease

ANSWERS: 16. extinct, 17. component, 18. individual, 19. liver, 20. extracting, 21. pacific, 22. Microbes

23. Bats reside in sheltered _____.

n. a large hole in the side of a hill, cliff, mountain, or under the ground

24. His father's death changed his whole _____ on life.

n. a confident attitude toward something; a particular style of thinking about something

25. I want to _____ a toast in honor of our longstanding relationship.

v. to make a proposal, declare a plan for something

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. 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

28. There is nothing more valuable than _____ and freedom.

n. freedom from another's or others' control or influence

29. To assure _____ I recommend investing in high-quality test kits.

n. the state or degree of being exact or correct; the ability to perform something with proficiency and without mistake

30. He should _____ more with his colleagues.

v. to communicate or react with somebody

31. His _____ showed highly positive results.

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

ANSWERS: 23. caves, 24. perspective, 25. propose, 26. variation, 27. ancient, 28. independence, 29. accuracy, 30. interact, 31. experiments

32. I will _____ the title of the article to save space.

- v.* to shorten a word or phrase by leaving out some of the letters or syllables; to make something shorter or more concise

33. 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

34. They've decided to _____ a ruined castle.

- v.* to build or form something again that has been damaged or destroyed

35. My remote _____ immigrated to the United States from Ireland in the 1800s.

- n.* a person from whom one is descended; a forefather

36. I _____ to him that I had seen his sister at the grocery store earlier that day.

- v.* to speak or write about something or someone briefly

37. _____ a society is an organism.

- adv.* relating to the essential features or concepts of anything

38. _____ profiling is a new form of airport security.

- adj.* of or relating to a person's face

39. The official transcript contains _____ academic records.

- adj.* correct and exact in all details

40. It's notoriously challenging to _____ birth rates.

- v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience

ANSWERS: 32. abbreviate, 33. robust, 34. reconstruct, 35. ancestor, 36. mentioned, 37. Essentially, 38. Facial, 39. accurate, 40. predict

41. Many zoos have _____ exhibits, allowing visitors to observe these intelligent primates up close.
- n.* a small, very intelligent ape found in west and central Africa with black or brown fur
42. 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
43. The witness's testimony was _____ based on what he had seen and heard.
- adv.* believed to be true or likely based on the available evidence, or supposed to be the case without definite proof
44. The shape of the DNA _____ is a double helix.
- n.* a group of two or more atoms held together by attractive forces known as chemical bonds
45. Eyeless fish _____ in dark caves.
- v.* to develop gradually, or to cause the development of something or someone gradually
46. His estate was _____ to his sons.
- v.* to give something to a large number of individuals, or to spread or furnish something
47. This artwork is _____ of her work.
- adj.* having the usual characteristics or traits of a specific group of things

ANSWERS: 41. chimpanzee, 42. process, 43. presumably, 44. molecule, 45. evolved, 46. distributed, 47. typical

48. The human _____ contains approximately three billion chemical base pairs.
n. the complete set or sequence of genes of a human, animal, plant, or other living things
49. 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
50. The exam was _____ tricky for everyone.
adv. in a way that causes amazement or wonder
51. I heard several melodic _____ simultaneously.
n. a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore
52. Hunters use a whistle that makes the ____ sound to lure stags.
n. a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
53. His son had accurately _____ the bloom.
v. to illustrate someone or something in a photograph
54. This trail takes _____ 2.5 hours.
adv. close to a specific number or time but not exactly that number or time
55. The _____ shape in the fog made it difficult to determine what it was.
adj. not clear or easily seen, heard, or understood

ANSWERS: 48. genome, 49. involves, 50. surprisingly, 51. strands, 52. doe, 53. depicted, 54. approximately, 55. indistinct

56. Scientists studied the ancient _____ to learn more about the creature's anatomy.
- n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
57. They worked hard to _____ the nature of their native lands.
- v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
58. Most countries prohibit sexual activity between certain close _____.
- adj.* considered and evaluated through comparison with something else
59. 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
60. These economic activities had disastrous environmental _____.
- n.* the outcome of a particular action or event, especially relative to an individual
61. Multiple genes may influence behavioral _____ concurrently.
- n.* a particular feature of your nature
62. 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
63. 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

ANSWERS: 56. skeleton, 57. preserve, 58. relatives, 59. colon, 60. consequences, 61. traits, 62. planet, 63. structure

64. The former emperor had a particular _____ even after he abdicated.
n. the ability to affect someone's or something's character, growth, or behavior, or the effect itself
65. Could you help me _____ some furniture?
n. a slight transition in position, direction, or trend
66. She teaches _____ at the local university.
n. the branch of anthropology that studies prehistoric people and their cultures
67. I was amazed at the _____ of her generosity.
n. the point or degree or area to which something extends
68. She was close to her paternal _____ and often spent summers with them.
n. a parent of one's father or mother
69. Their headquarters are in a _____ skyscraper.
adj. of or belonging to the present time or recent times
70. He tried to _____ his experience to the group, but they couldn't understand.
v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
71. In medieval times, death punishment was _____ and socially accepted.
adj. existing or happening in various places or among many people
72. The _____ king lived in poverty in a foreign country for many years.
n. the state of being forced to leave one's country or home, typically for political or punitive reasons

ANSWERS: 64. influence, 65. shift, 66. archaeology, 67. extent, 68. grandparents, 69. modern, 70. relate, 71. widespread, 72. exiled

73. The spider can _____ multiple different silk proteins.
- v. to combine a substance to make a more complex product or compound
74. Better sleep leads to increased _____.
- n. the set of chemical reactions in cells or organisms that are necessary for life-sustaining
75. I have no intention to _____ your privacy.
- v. to enter aggressively into another's territory by military force for conquest and occupation
76. During colonial eras, new migratory patterns _____.
- v. to move out of or away from something and become visible
77. We gained various _____ by analyzing the vast amount of data owned by the company.
- n. the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
78. The brain is an incredibly complex organ that controls the body's _____.
- n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
79. People who compulsively _____ non-food items, such as dirt or chalk, suffer from a condition called pica.
- v. to take food or drink into the body, often through the mouth; to absorb or assimilate something, often used to describe the intake of information or knowledge

ANSWERS: 73. synthesize, 74. metabolism, 75. invade, 76. emerged, 77. insights, 78. function, 79. ingest

80. Radiation often promotes genetic _____ in plants and animals.
- n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
81. My father's death _____ my life completely.
- v.* to change in outward structure or looks;
82. I need to _____ these documents for the upcoming audit.
- v.* to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties
83. The DNA molecule is shaped like a double _____.
- n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule
84. He didn't meet all the _____ but he was hired anyway.
- n.* (plural of criterion) standards or conditions by which something may be judged or decided
85. 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
86. In _____ private corporations provide healthcare services.
- n.* the act or process of adding something to something else; the process of adding numbers
87. A _____ of three mistakes caused the accident.
- n.* the state of being joined, united, or associated; a part of speech that connects words, phrases, or clauses, such as and, but, while

ANSWERS: 80. mutations, 81. transformed, 82. classify, 83. helix, 84. criteria, 85. feat, 86. addition, 87. conjunction

88. Gandhi had an _____ zeal for nonviolence.

adj. perfect or complete or to the most considerable degree possible

89. The road's _____ was steep, making it challenging for cyclists.

n. the degree or rate of incline or decline along a physical or abstract line; a gradual progression

90. Volunteering for a _____ cause is important for building a sense of community.

adj. having value or benefit; sufficiently important or beneficial to be worthy of time or effort; deserving of attention or consideration

91. The _____ between the two nations escalated into a full-blown war.

n. the act of facing or dealing with something directly and openly; a direct and often hostile encounter or disagreement

92. This project has been _____ for several years.

adj. having started and currently in progress

93. The _____ format provided a useful guide for creating the budget.

n. a pre-designed file or document used as a starting point for a particular application so that the format does not have to be created from scratch

94. He has _____ his wealth through real estate investments.

v. to collect or acquire a large number of things over a long period of time

95. The _____ demonstrate that poverty and unemployment are genuine problems.

n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

ANSWERS: 88. absolute, 89. gradient, 90. worthwhile, 91. confrontation, 92. underway, 93. template, 94. accumulated, 95. statistics

96. They watched the train _____ into the distance.

v. to cease to exist or be visible

97. Rainfall in the tropics is highly _____.

adj. likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed

98. European powers _____ much of the Americas in the 16th and 17th centuries.

v. to establish a colony in or on a specific place; to settle or occupy in large numbers

99. Human females normally have two X _____.

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

100. The article is at _____ with the truth.

n. the fact or quality that two or more things are different, divergent, or inconsistent; a difference between conflicting facts, claims, or opinions

101. 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

102. 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

103. We do move forward with those tasks in _____ next week.

n. a series of related events, actions, numbers, etc., which have a particular order

ANSWERS: 96. disappear, 97. variable, 98. colonized, 99. chromosomes, 100. variance, 101. environment, 102. genetic, 103. sequence

104. The _____ of the water supply led to widespread illness in the community.

- n.* the presence of something harmful or unwanted in a substance, material, or environment; the act of introducing harmful substances or materials into an environment or area

105. The cost of the antique vase is three _____.

- n.* a former British gold coin worth 21 shillings or a unit of currency used in some West African countries; (Guinea) a republic in western Africa on the Atlantic

ANSWERS: 104. contamination, 105. guineas