

# Englist.me



## Vocabulary Builder Reference from...

Ray Kurzweil: Get ready for hybrid thinking | TED Talk

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### All Words

#### IMPORTANT

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## Session 1: Word List

### neocortex

*n.* the part of the cerebral cortex that is responsible for higher brain functions such as conscious thought and decision-making

*synonym* : prefrontal lobe, cerebral cortex, forebrain

(1) stored in **neocortex**, (2) **neocortex** function

The cerebral **neocortex** is responsible for higher brain functions such as decision-making and problem-solving.

### rind

*n.* the tough outer layer of something, such as a fruit or cheese; a strip or ring of the outer skin, covering, or layer on an object

*synonym* : peel, skin, husk

(1) orange **rind**, (2) cheese **rind**

The cheese had a thick **rind** that needed to be removed before eating.

### rodent

*n.* a small, gnawing mammal, such as a mouse, rat, or squirrel, that has sharp incisors and typically has a long, thin tail

*synonym* : mouse, rat, hamster

(1) **rodent** repellent, (2) prevent **rodent** damage

He set up a trap to catch the **rodent**.

## creature

*n.* a living being, especially an animal

*synonym*: being, animal, organism

(1) **creature** of habit, (2) artificial **creature**

The deep sea **creature** was unlike anything the scientists had ever seen before.

## walnut

*n.* a nut of a tall deciduous tree, commonly eaten as a snack or used in baking; the wood of this tree, used for furniture and other applications

*synonym*: pecan, hazelnut, almond

(1) **walnut** oil, (2) **walnut** tree

I love adding **walnuts** to my oatmeal in the morning for an extra crunch.

## brain

*n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

*synonym*: intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage

X-rays revealed a small tumor in his **brain**.

## mammalian

*adj.* of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior

*synonym*: animal, mammal-like, warm-blooded

(1) **mammalian** embryo, (2) **mammalian** evolution

**Mammalian** milk is known to be rich in protein and essential vitamins.

## invention

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

*synonym*: creation, design, innovation

(1) the **invention** of new techniques, (2) common **invention**

Necessity is the mother of **invention**.

## predator

*n.* an animal whose natural behavior is to prey on others  
*synonym*: vulture, bloodsucker

(1) apex **predator**, (2) sexual **predators**

The native South American animals were in danger because of the **predator's** arrival.

## viral

*adj.* relating to or caused by a virus

(1) fight **viral** infections, (2) detect a **viral** code

This device can more accurately detect **viral** pathogens.

## communal

*adj.* belonging to or used by a group rather than individuals;  
for common use

*synonym*: collaborative, combined, collective

(1) **communal** swimming pool, (2) **communal** combination of funds

**Communal** elections were held in several European countries.

## adopt

*v.* to choose to follow something; to legally take a child from another family and care for them as if they were one's own

*synonym*: accept, assume, take on

(1) **adopt** a child, (2) **adopt** a bill

The national assembly has **adopted** the budget.

## lifetime

*n.* the duration of someone's life or something's existence;  
*synonym*: lifespan, duration

(1) **lifetime** benefits, (2) **lifetime** ban from the sport

She had lived through two world wars in her **lifetime**.

## 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.

## 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**.

## violent

*adj.* involving or caused by physical force or aggression against someone or something

*synonym*: aggressive, intense, turbulent

(1) victim of a **violent** crime, (2) **violent** incident

The protesters became **violent** when the police tried to disperse them.

## extinction

*n.* the complete disappearance of a species from the earth

*synonym*: disappearance, eradication, annihilation

(1) **extinction** prevention, (2) brink of **extinction**

The **extinction** of the dinosaurs is thought to have been caused by an asteroid impact.

## dinosaur

*n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin

*synonym*: reptile, beast, monster

(1) hulking **dinosaur**, (2) **dinosaur** fossil

The discovery of a new **dinosaur** species made headlines in the scientific community.

## 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.

## overtake

*v.* to catch up to and pass by someone or something that is in front of you, usually about moving vehicles; to come to a point where you become more successful, important, or influential than someone or something else

*synonym*: surpass, outstrip, catch up with

(1) **overtake** a rival, (2) **overtake** a milestone

The race car driver knew he had to **overtake** the other drivers to win the race.

## ecology

*n.* the study of the relationships between living organisms, including humans, and their physical environment

(1) science of **ecology**, (2) the **ecology** of the island

Many companies are now enthusiastically embracing the knowledge of **ecology** for sustainable development.

## niche

*n.* a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it

*synonym*: role, position, habitat

(1) **niche** market, (2) every **niche** of society

The species occupies a unique **niche** in the ecosystem as a top predator.

## anthropomorphize

*v.* to attribute human characteristics, emotions, and abilities to non-human entities

*synonym*: personify, humanize

(1) **anthropomorphize** animals, (2) **anthropomorphize** God

The children **anthropomorphized** their stuffed animals and gave them personalities.

## biology

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

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

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

## evolution

*n.* a gradual process of transformation of living things

*synonym*: elaboration, expansion, transition

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

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

## pace

*n.* the speed at which someone or something moves, or the rate at which something happens or changes

*synonym*: gait, rate, speed

(1) at your own **pace**, (2) the runner's **pace**

The economy is growing at a supercharged **pace**.

## develop

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

*synonym*: evolve, progress, advance

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

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

## distinctive

*adj.* having a quality or characteristic that makes it stand out from others

*synonym*: characteristic, individual, unique

(1) **distinctive** ability, (2) design to be **distinctive**

His writing style was **distinctive**, with a clear and concise voice.

## ridge

*n.* a long, narrow, raised landform or rock formation

*synonym*: crest, summit, peak

(1) top of the **ridge**, (2) the **ridge** of the nose

The mountain range was full of rocky **ridges** and deep valleys.

## stretch

*v.* to make or be capable of making anything longer or broader without hurting or breaking

*synonym*: lengthen, prolong, extend

(1) **stretch** along the coast, (2) **stretch** a story

Some herds have been observed to **stretch** hundreds of kilometers.

## napkin

*n.* a small piece of cloth or paper used for wiping one's mouth and hands while eating; a decorative cloth placed on a table for formal occasions

*synonym* : serviette, handkerchief, cloth

(1) paper **napkin**, (2) linen **napkin**

I always keep a stack of **napkins** on my desk while I eat to prevent any messes.

## 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.

## convolution

*n.* a complex or intricate twist, turn, or arrangement of something; a complex or winding thought process, argument, or situation

*synonym* : complexity, intricacy, twist

(1) complex **convolution**, (2) mathematical **convolution**

The novel's plot is full of twists and turns, creating a complex **convolution** of events.

## sublimation

*n.* the process of transforming a solid directly into a gas (or vice versa) without passing through the intermediate liquid phase; (of psychology) the channeling of repressed emotions or impulses into socially acceptable behavior or productive activities

*synonym* : transforming, refining, uplifting

(1) **sublimation** of dry ice, (2) **sublimation** printing

The **sublimation** process involves a solid directly turning into a gas without becoming a liquid first.

## motivation

*n.* the reason or enthusiasm for acting or behaving in a particular way

*synonym* :

inspiration, incentive, reason

(1) understand his **motivation**, (2) **motivation** for a change  
A significant amount of **motivation** is required to be a teacher.

## conquest

*n.* the act or process of taking control of a country, area, or situation

*synonym*: subjugation, domination, mastery

(1) imperial **conquest**, (2) make a **conquest**

He continued to grow his empire through **conquest**.

## sublime

*adj.* of such excellence, grandeur, or beauty as to inspire great admiration or awe

*synonym*: magnificent, majestic, grand

(1) **sublime** ignorance, (2) **sublime** beauty

The view from the mountaintop was genuinely **sublime**.

## poem

*n.* a piece of writing that emphasizes the expression of feelings and ideas by paying particular attention to diction (sometimes rhyme), rhythm, and imagery

*synonym*: ballad, lyric, verse

(1) a narrative **poem**, (2) **poem** to the dead

A great **poem** is a fountain forever overflowing with the waters of wisdom and delight.

## app

*n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC

*synonym*: application, software

(1) killer **app**, (2) cannot log in to the **app**

The discovery of a critical bug caused the company to delay the **app's** release.

## module

*n.* a self-contained unit or component of a larger system or structure; a standardized unit of computer hardware or software designed to perform a specific function

*synonym*: component, unit, segment



(1) **module** software, (2) audio **module**

I must install a new programming **module** for my computer program to function properly.

## implement

v. to put a decision, plan, or system into effect

*synonym*: execute, enforce, put through

(1) **implement** a corporate strategy, (2) **implement** security measures

The government promised to **implement** a new system to control the financial crisis.

## hierarchy

n. a system in which people or things are organized into different levels of importance from highest to lowest

*synonym*: ranking, order, scale

(1) top of the **hierarchy**, (2) **hierarchy** of folders

She has taken a step up in the organizational **hierarchy**.

## president

n. the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.

*synonym*: leader, CEO, chairperson

(1) **president** emeritus, (2) vice- **president** for finance

The club **president** does not have absolute power.

## thesis

n. a written essay, especially one submitted for a university degree, that sets out the author's findings on a particular subject

*synonym*: dissertation, argument, treatise

(1) a drift of a **thesis**, (2) master **thesis**

His **thesis** on the effects of climate change won several awards.

## plethora

n. an overabundance or excess of something; a state of having too much of something

*synonym*: abundance, excess, surplus

(1) **plethora** of information, (2) **plethora** of opportunities

The restaurant's menu offered a **plethora** of options for vegetarians.

## neuroscience

*n.* the scientific study of the function, structure, and disorder of the brain and the nervous system

(1) the branch of **neuroscience**, (2) a theoretical concept in **neuroscience**

Our university is famous for its professors, who are well-versed in behavioral **neuroscience**.

## spatial

*adj.* of or relating space and the position, area, and size of things

*synonym*: dimensional, geographical

(1) **spatial** ability, (2) **spatial** distribution

He carefully determined the **spatial** relations of every piece of the stage set.

## resolution

*n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

*synonym*: determination, decision, settlement

(1) **resolution** of a conflict, (2) display **resolution**

He made a New Year's **resolution** to exercise more and eat healthier.

## 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.

## intern

*v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria

*synonym*: apprentice, trainee, student

(1) **intern** civilians, (2) medical **intern**  
The navy **interned** ships of defeated nations.

## bunch

*n.* a grouping of several similar things which are growing or fastened together

*synonym*: group, assemblage, bundle

(1) a **bunch** of trees, (2) a **bunch** of schoolgirls

One bad apple spoils the whole **bunch**.

## recognize

*v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

*synonym*: acknowledge, identify, admit

(1) **recognize** talent, (2) **recognize** achievement

It's important to **recognize** your strengths and weaknesses.

## excite

*v.* to make someone feel suddenly enthusiastic or eager

*synonym*: thrill, exhilarate, animate

(1) **excite** the crowd, (2) **excite** rebellion

The news of her promotion **excited** her.

## probable

*adj.* likely to happen or likely to be true

*synonym*: likely, possible, potential

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

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

## axon

*n.* a long and slender projection of a nerve cell, or neuron, that sends out signals away from the nerve cell

(1) an **axon** of a nerve cell, (2) the **axon** terminals

We are developing a technology to promote the elongation and regeneration of sensory nerve **axons**.

## conceptual

*adj.* related to or founded on ideas, principles

*synonym*: theoretical, abstract, ideational

(1) **conceptual** art, (2) new **conceptual** framework

He has absolutely no **conceptual** comprehension of maths.

## abstract

*adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence

*synonym* : conceptual, theoretical, ideational

(1) an **abstract** noun, (2) **abstract** science

The invention of the camera triggered the development of **abstract** painting.

## lookout

*n.* a person or group of people who are responsible for watching for danger or other potential threats and warning others of their presence

*synonym* : watchman, sentinel, guard

(1) **lookout** team, (2) on the **lookout** for danger

The **lookout** tower provided a clear view of the surrounding area.

## threshold

*n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation

*synonym* : anteroom, brink, verge

(1) the **threshold** between rooms, (2) high pain **threshold**

She's on the **threshold** of adulthood.

## sloppy

*adj.* characterized by a lack of order or neatness; careless, disorganized, or careless in appearance or performance

*synonym* : messy, untidy, disheveled

(1) **sloppy** writing, (2) **sloppy** appearance

She looked **sloppy** in her wrinkled shirt and mismatched socks.

## ordinary

*adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree

*synonym* : mundane, prosaic, average

(1) an **ordinary** school, (2) **ordinary** annual revenue

The **ordinary** session of the Diet opened.

## **fabric**

*n.* cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.

*synonym* : cloth, material, goods

(1) a hand-loomed **fabric**, (2) **fabric** of creation

These synthetic **fabrics** are used in military vests because of their excellent abrasion resistance.

## **perfume**

*n.* a liquid that emits and diffuses a pleasant smell, usually used on the skin

*synonym* : scent, aroma, bouquet

(1) a subtle **perfume**, (2) **perfume** every day

He sniffed the **perfume** voluptuously.

## **cortex**

*n.* the outermost layer of an organ, especially the brain

(1) **cortex** cells, (2) visual **cortex** neuron

The cerebral **cortex** consists of six layers.

## **ironic**

*adj.* using words to express something different from and often opposite to their literal or usual meaning, often for humorous or rhetorical effect

*synonym* : sarcastic, wry, sardonic

(1) **ironic** result, (2) an **ironic** turn of events

It was **ironic** that the heavy rain started just as they set up for an outdoor picnic.

## **sophisticated**

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

*synonym* : refined, cultured, worldly

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

Marketing strategies are growing more **sophisticated**.

## **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.

## beneath

*adv.* in or to a lower place than someone or something

*synonym* : down, under, low

(1) the ground **beneath** my feet, (2) **beneath** contempt

A great stretch of the lake lay **beneath** them.

## surgery

*n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures

*synonym* : operation, (medical) procedure

(1) cardiac **surgery**, (2) the professor of **surgery**

He had undergone heart **surgery** years before.

## conscious

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

*synonym* : aware, cognizant, deliberate

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

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

## surgeon

*n.* a doctor who is trained to perform medical operations that involve cutting open a person's body

*synonym* : sawbones, doctor

(1) an excellent brain **surgeon**, (2) army **surgeon**

He is a skilled **surgeon** that has many years of training and experience.

## receptor

*n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way

(1) cellular **receptor**, (2) **receptor** for HIV in humans

Hay fever occurs when a substance called histamine binds to **receptors** in the nose and eyes.

## stimming

*n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation

*synonym*: self-stimulation, repetitive behaviors

(1) autistic **stimming**, (2) **stimming** therapy

Autistic children may engage in **stimming** behaviors, such as rocking or hand flapping, to self-regulate.

## trigger

*v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function

*synonym*: activate, spark, drive

(1) **trigger** a biochemical response, (2) **trigger** inflation

The incident **triggered** a political controversy.

## reflex

*n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli

*synonym*: reaction, response, instinct

(1) **reflex** test, (2) knee **reflex**

My leg kicked involuntarily when the doctor tapped my knee with the **reflex** hammer.

## detect

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

*synonym*: catch, observe, notice

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

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

## humor

*n.* the quality of being amusing or funny; the liquid parts of the body

*synonym*: comedy, funniness, liquid substance

(1) sardonic **humor**, (2) vitreous **humor**

My wife seems to be in ill **humor**.

## hilarious

*adj.* extremely funny

*synonym*: funny, comical, amusing

(1) **hilarious** mistake, (2) a **hilarious** anecdote

The comedian's stand-up routine was **hilarious**.

## 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.

## 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.

## algorithm

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

*synonym*: logic, method, rule

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

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

## jeopardy

*n.* the state of being in danger or at risk of harm or loss

*synonym*: danger, risk, peril

(1) put his life in **jeopardy**, (2) tax in **jeopardy**

The project is in **jeopardy** of being canceled due to a lack of funding.

## broad

*adj.* very wide; general

*synonym*: wide, expansive, comprehensive

(1) attract **broad** attention, (2) a **broad** mind

He accumulated wealth across a **broad** spectrum of assets.

## combine

*v.* to join or merge to form a single thing or group

*synonym*: coalesce, cohere, blend

(1) **combine** chemically with another substance,



(2) **combine** augmented reality

Hydrogen and oxygen **combine** to form water.

## query

*n.* a question or inquiry, often used in the context of research, information-gathering, or data analysis; a request for information

*synonym*: question, inquiry, investigation

(1) **query** language, (2) **query** result

I had a **query** about my bank statement and called customer service for an explanation.

## tiresome

*adj.* causing weariness, boredom, or annoyance; dull, monotonous, or tedious

*synonym*: dreary, boring, tedious

(1) **tiresome** task, (2) a **tiresome** person

The **tiresome** argument between the two politicians seems to have no end.

## froth

*n.* a mass of small bubbles on the surface of a liquid caused by agitation or fermentation; a light, airy, or frothy substance; foam or lather

*synonym*: foam, lather

(1) beer **froth**, (2) **froth** in the ocean

The cappuccino was topped with **froth**, making it look like a work of art.

## meringue

*n.* a sweet, whipped dessert topping made from egg whites and sugar, usually baked or cooked and used to top pies, cakes, or pastries

(1) **meringue** topping, (2) chocolate **meringue** pie

The **meringue** on the lemon pie was perfectly fluffy and sweet.

## harangue

*v.* to aggressively or forcefully address a group of people, often with a lengthy and impassioned speech; to criticize or scold someone at length and with intensity; (noun) a lengthy and aggressive speech or lecture

*synonym* : lecture, rant, berate

(1) **harangue** protesters, (2) emotional **harangue**

The politician used the podium to **harangue** the crowd about the importance of voting.

## Wikipedia

*n.* an online encyclopedia that allows users to contribute and edit articles collaboratively; a vast and frequently updated repository of information on a wide range of topics

*synonym* : online encyclopedia, webpedia

(1) **Wikipedia** entry, (2) **Wikipedia** article

Not all teachers accept citing **Wikipedia** as a valid source for academic papers.

## encyclopedia

*n.* a comprehensive reference work containing articles on a wide range of subjects or numerous aspects of a particular field or discipline, usually arranged alphabetically or thematically

*synonym* : dictionary, compendium, almanac

(1) **encyclopedia** entry, (2) online **encyclopedia**

Many bookshops no longer carry printed **encyclopedias**, but some libraries still hold onto their collections.

## engine

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

*synonym* : motor, locomotive, driver

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

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

## combination

*n.* a collection of things that have been combined; an assemblage of separate parts or qualities

*synonym* : blend, hybrid, compounding

(1) genic **combinations**, (2) **combination** number

The **combination** to the safe was a secret.

## glutathione

*n.* a tripeptide molecule composed of the amino acids glutamic acid, cysteine, and glycine produced naturally in the body, which is a powerful antioxidant that plays a crucial role in the body's defense against free radicals and supports the immune system

(1) boost **glutathione** levels, (2) natural **glutathione** production

I take **glutathione** supplements for their potential health benefits.

## supplement

*n.* something that is added to something else to make it better or complete it

*synonym*: complement, addendum, accessory

(1) wage **supplement**, (2) use of dietary **supplements**

Certain **supplements** may promote tumor growth.

## barrier

*n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective

*synonym*: border, barricade, fence

(1) cost **barrier**, (2) information **barrier**

The police placed a **barrier** across the street to halt traffic.

## summarize

*v.* to give a brief statement of the most important facts or ideas about something

*synonym*: recap, outline, digest

(1) **summarizes** the main ideas, (2) **summarize** text

Each chapter **summarizes** the most critical issues.

## bot

*n.* a computer program or software application that is capable of performing automated tasks, often on the internet; a type of electronic device that provides autonomous service or assistance to users

*synonym*: robot, droid, android

(1) spam **bot**, (2) **bot** detection

The translation **bot** helped me translate a website from another country.

## exponential

*adj.* becoming more and more rapid; of or involving mathematical exponents

(1) **exponential** growth, (2) **exponential** function

Since the 1990s, the Internet has continued to experience **exponential** growth.

## trend

*n.* a general direction in which something is changing or developing

*synonym*: direction, movement, tendency

(1) an international **trend**, (2) the **trend** away from television

The oil price continued their downward **trend**.

## shrink

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

*synonym*: decrease, diminish, shy away

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

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

## capillary

*n.* a tube of small internal diameter; any of the minute tubes that carry blood

(1) a **capillary** tube, (2) **capillary** action

There are many **capillary** vessels in the gills of fish.

## synthetic

*adj.* made by combining chemical substances as opposed to being naturally occurring

*synonym*: artificial, manufactured, fabricated

(1) **synthetic** fiber, (2) **synthetic** fertilizer

**Synthetic** diamonds play an essential role as machine tool blades.

## extension

*n.* a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line

*synonym*: addition, augment, supplement

(1) time **extension**, (2) telephone **extension**

They are building an **extension** to the house to add more bedrooms.

## complexity

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

*synonym*: intricacy, sophistication, elaboration

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

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

## hybrid

*adj.* composed of different elements or mixed characters

*synonym*: blended, mixed, combined

(1) new **hybrid** system, (2) an interspecific **hybrid**

The mule is a **hybrid** between a male donkey and a female horse.

## accelerate

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

*synonym*: speed up, quicken, rev

(1) **accelerate** a chemical reaction, (2) **accelerate** the car

The government tried to **accelerate** the commercialization of this development.

## expand

*v.* to increase or to make something greater in size, number, or importance

*synonym*: extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output

They hope to **expand** their business worldwide.

## humanoid

*n.* a machine or creature that has a body shape similar to that of a human

*synonym*: android, anthropomorphic

(1) **humanoid** hand, (2) **humanoid** design

The **humanoid** robot was able to mimic human movements and expressions.

## forehead

*n.* the part of the face above the eyebrows and below the hairline; the upper part of the face that extends from the eyes to the hairline

*synonym* : brow, frontal bone, temple

(1) **forehead** wrinkles, (2) kiss on the **forehead**

The athlete had sweat dripping down her **forehead** after the intense workout.

## primate

*n.* any mammal of the order Primates, which includes monkeys, apes, and humans

*synonym* : ape, monkey, lemur

(1) **primate** species, (2) **primate** sanctuary

Many scientists study **primate** behavior and intelligence.

## slant

*v.* to lean or slope in a particular direction; to present or interpret information or a situation in a biased or distorted way

*synonym* : slope, tilt, incline

(1) **slant** upward, (2) **slant** a hat

The news article **slanted** the story in favor of one political party.

## brow

*n.* the ridge over the eye sockets; the forehead

*synonym* : forehead, hilltop, eyebrow

(1) the **brow** of a hill, (2) furrowed **brow**

She wiped the sweat from her **brow** after finishing the marathon.

## qualitative

*adj.* relating to or involving qualities, such as properties, characteristics, or features, rather than quantities or numbers, often used to describe research or analysis that focuses on subjective or non-measurable factors

*synonym* : subjective, interpretative

(1) **qualitative** analysis, (2) **qualitative** factors

The researchers used a **qualitative** approach to analyze their findings.

## 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.

## expansion

*n.* the process of becoming larger or more extensive, or the result of this process

*synonym* : growth, enlargement, development

(1) industrial **expansion**, (2) **expansion** project

The company is undergoing an **expansion**, opening new locations in several states.

## 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.

## quantity

*n.* the amount or number of something; magnitude

*synonym* : abundance, portion, amount

(1) half **quantity**, (2) residual **quantity**

In southward, the average annual water **quantity** increases.

## leap

*v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward

*synonym* : jump, bound, hop

(1) **leap** to a conclusion, (2) **leap** of faith

The athlete was able to **leap** over the hurdle with ease.

## confer

*v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something

*synonym* : consult, meet, discuss

(1) **confer** degree, (2) **confer** honor

The leaders of the two countries met to **confer** on the issue.

## architecture

*n.* the art and science of designing and constructing buildings

*synonym*: design, structure, layout

(1) **architecture** design, (2) classic **architecture**

The city is known for its impressive **architecture** and beautiful old buildings.

## enclosure

*n.* a wall, fence, or other barriers that surround an area, keeping it separate and protected

*synonym*: compartment, partition, wall

(1) the **enclosure** of a city, (2) **enclosure** gate

The **enclosure** held several exotic animals, including lions and tigers.



## Session 2: Spelling

1. artificial cr\_\_\_\_re *n.* a living being, especially an animal
2. a subtle pe\_\_\_\_e *n.* a liquid that emits and diffuses a pleasant smell, usually used on the skin
3. ad\_\_t a child *v.* to choose to follow something; to legally take a child from another family and care for them as if they were one's own
4. ma\_\_\_\_\_an embryo *adj.* of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior
5. hi\_\_\_\_\_us mistake *adj.* extremely funny
6. hulking di\_\_\_\_ur *n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
7. cellular re\_\_\_\_or *n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way
8. pr\_\_\_\_\_nt emeritus *n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
9. ev\_\_\_e *v.* to develop gradually, or to cause the development of something or someone gradually

ANSWERS: 1. creature, 2. perfume, 3. adopt, 4. mammalian, 5. hilarious, 6. dinosaur, 7. receptor, 8. president, 9. evolve

10. natural glu\_\_\_\_\_ne production      *n.* a tripeptide molecule composed of the amino acids glutamic acid, cysteine, and glycine produced naturally in the body, which is a powerful antioxidant that plays a crucial role in the body's defense against free radicals and supports the immune system
11. sub\_\_\_\_\_on printing      *n.* the process of transforming a solid directly into a gas (or vice versa) without passing through the intermediate liquid phase; (of psychology) the channeling of repressed emotions or impulses into socially acceptable behavior or productive activities
12. ty\_\_\_\_\_l leader      *adj.* having the usual characteristics or traits of a specific group of things
13. cardiac su\_\_\_\_\_y      *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
14. the ri\_\_e of the nose      *n.* a long, narrow, raised landform or rock formation
15. a sop\_\_\_\_\_ted lifestyle      *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
16. an air-cooled en\_\_\_e      *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

ANSWERS: 10. glutathione, 11. sublimation, 12. typical, 13. surgery, 14. ridge, 15. sophisticated, 16. engine

17. sexual pr\_\_\_\_\_ors *n.* an animal whose natural behavior is to prey on others
18. arc\_\_\_\_\_ure design *n.* the art and science of designing and constructing buildings
19. 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
20. an or\_\_\_\_\_ry school *adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree
21. tr\_\_\_\_\_r inflation *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
22. Wi\_\_\_\_\_ia article *n.* an online encyclopedia that allows users to contribute and edit articles collaboratively; a vast and frequently updated repository of information on a wide range of topics
23. com\_\_\_\_\_ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
24. evolutionary bi\_\_\_\_\_y *n.* the scientific study of life and the natural processes of living things
25. exp\_\_\_\_\_al function *adj.* becoming more and more rapid; of or involving mathematical exponents
26. put his life in je\_\_\_\_\_dy *n.* the state of being in danger or at risk of harm or loss
27. genic com\_\_\_\_\_ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities

ANSWERS: 17. predator, 18. architecture, 19. structure, 20. ordinary, 21. trigger, 22. Wikipedia, 23. complexity, 24. biology, 25. exponential, 26. jeopardy, 27. combination

28. qua\_\_\_\_\_ive analysis *adj.* relating to, measuring, or expressing in terms of quantity; involving numerical or statistical data
29. en\_\_\_\_\_re gate *n.* a wall, fence, or other barriers that surround an area, keeping it separate and protected
30. pr\_\_\_\_\_le cause of a fire *adj.* likely to happen or likely to be true
31. new hy\_\_\_\_d system *adj.* composed of different elements or mixed characters
32. enc\_\_\_\_\_dia entry *n.* a comprehensive reference work containing articles on a wide range of subjects or numerous aspects of a particular field or discipline, usually arranged alphabetically or thematically
33. make a co\_\_\_\_\_st *n.* the act or process of taking control of a country, area, or situation
34. hu\_\_\_\_\_id hand *n.* a machine or creature that has a body shape similar to that of a human
35. imperial co\_\_\_\_\_st *n.* the act or process of taking control of a country, area, or situation
36. sl\_\_t upward *v.* to lean or slope in a particular direction; to present or interpret information or a situation in a biased or distorted way
37. fa\_\_\_\_c of creation *n.* cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.
38. dis\_\_\_\_\_ve ability *adj.* having a quality or characteristic that makes it stand out from others

ANSWERS: 28. quantitative, 29. enclosure, 30. probable, 31. hybrid, 32. encyclopedia, 33. conquest, 34. humanoid, 35. conquest, 36. slant, 37. fabric, 38. distinctive

39. vitreous hu\_\_r *n.* the quality of being amusing or funny; the liquid parts of the body
40. l\_\_p of faith *v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward
41. classic arc\_\_\_\_\_ure *n.* the art and science of designing and constructing buildings
42. re\_\_\_x test *n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
43. su\_\_\_\_\_zes the main ideas *v.* to give a brief statement of the most important facts or ideas about something
44. vice-pr\_\_\_\_\_nt for finance *n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
45. an ir\_\_\_c turn of events *adj.* using words to express something different from and often opposite to their literal or usual meaning, often for humorous or rhetorical effect
46. attract br\_\_d attention *adj.* very wide; general
47. st\_\_\_\_\_h a story *v.* to make or be capable of making anything longer or broader without hurting or breaking
48. ev\_\_\_e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually

ANSWERS: 39. humor, 40. leap, 41. architecture, 42. reflex, 43. summarize, 44. president, 45. ironic, 46. broad, 47. stretch, 48. evolve

49. army su\_\_\_\_n *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
50. ad\_\_t a bill *v.* to choose to follow something; to legally take a child from another family and care for them as if they were one's own
51. ti\_\_\_\_\_me task *adj.* causing weariness, boredom, or annoyance; dull, monotonous, or tedious
52. lo\_\_\_\_\_t team *n.* a person or group of people who are responsible for watching for danger or other potential threats and warning others of their presence
53. a private ind\_\_\_\_\_al *n.* a single person or thing, as distinct from a group
54. ex\_\_\_e rebellion *v.* to make someone feel suddenly enthusiastic or eager
55. on the lo\_\_\_\_\_t for danger *n.* a person or group of people who are responsible for watching for danger or other potential threats and warning others of their presence
56. mot\_\_\_\_\_on for a change *n.* the reason or enthusiasm for acting or behaving in a particular way
57. a steam en\_\_\_e *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
58. knee re\_\_\_x *n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli

ANSWERS: 49. surgeon, 50. adopt, 51. tiresome, 52. lookout, 53. individual, 54. excite, 55. lookout, 56. motivation, 57. engine, 58. reflex

59. su\_\_\_\_e beauty *adj.* of such excellence, grandeur, or beauty as to inspire great admiration or awe
60. ne\_\_\_\_\_ex function *n.* the part of the cerebral cortex that is responsible for higher brain functions such as conscious thought and decision-making
61. common in\_\_\_\_\_on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
62. permanent br\_\_n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
63. com\_\_\_\_\_on number *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
64. the RSA al\_\_\_\_\_hm *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
65. cognitive com\_\_\_\_\_ty *n.* the state or quality of being complicated or intricate and difficult to understand
66. hu\_\_\_\_\_id design *n.* a machine or creature that has a body shape similar to that of a human
67. the ec\_\_\_\_\_y of the island *n.* the study of the relationships between living organisms, including humans, and their physical environment
68. qua\_\_\_\_\_ive tightening *adj.* relating to, measuring, or expressing in terms of quantity; involving numerical or statistical data
69. furrowed b\_\_w *n.* the ridge over the eye sockets; the forehead

ANSWERS: 59. sublime, 60. neocortex, 61. invention, 62. brain, 63. combination, 64. algorithm, 65. complexity, 66. humanoid, 67. ecology, 68. quantitative, 69. brow

70. visual co\_\_\_x neuron *n.* the outermost layer of an organ, especially the brain
71. Wi\_\_\_\_\_ia entry *n.* an online encyclopedia that allows users to contribute and edit articles collaboratively; a vast and frequently updated repository of information on a wide range of topics
72. boost glu\_\_\_\_\_ne levels *n.* a tripeptide molecule composed of the amino acids glutamic acid, cysteine, and glycine produced naturally in the body, which is a powerful antioxidant that plays a crucial role in the body's defense against free radicals and supports the immune system
73. ant\_\_\_\_\_ize God *v.* to attribute human characteristics, emotions, and abilities to non-human entities
74. re\_\_\_\_\_ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
75. co\_\_\_\_\_us of having succeeded *adj.* being aware of and able to respond to what is happening around you
76. cost ba\_\_\_\_\_r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
77. emotional ha\_\_\_\_\_ue *v.* to aggressively or forcefully address a group of people, often with a lengthy and impassioned speech; to criticize or scold someone at length and with intensity; (noun) a lengthy and aggressive speech or lecture

ANSWERS: 70. cortex, 71. Wikipedia, 72. glutathione, 73. anthropomorphize, 74. recognize, 75. conscious, 76. barrier, 77. harangue



78. an interspecific hy\_\_\_d *adj.* composed of different elements or mixed characters
79. information ba\_\_\_\_r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
80. de\_\_\_t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
81. sl\_\_\_y appearance *adj.* characterized by a lack of order or neatness; careless, disorganized, or careless in appearance or performance
82. ma\_\_\_\_an evolution *adj.* of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior
83. industrial ex\_\_\_\_on *n.* the process of becoming larger or more extensive, or the result of this process
84. 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
85. pl\_\_\_\_ra of opportunities *n.* an overabundance or excess of something; a state of having too much of something
86. a com\_\_\_\_ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

ANSWERS: 78. hybrid, 79. barrier, 80. detect, 81. sloppy, 82. mammalian, 83. expansion, 84. structure, 85. plethora, 86. complicated

87. in\_\_\_n civilians *v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria
88. mathematical con\_\_\_\_\_on *n.* a complex or intricate twist, turn, or arrangement of something; a complex or winding thought process, argument, or situation
89. cannot log in to the a\_p *n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
90. at your own p\_\_\_e *n.* the speed at which someone or something moves, or the rate at which something happens or changes
91. audio mo\_\_\_e *n.* a self-contained unit or component of a larger system or structure; a standardized unit of computer hardware or software designed to perform a specific function
92. sy\_\_\_\_\_ic fiber *adj.* made by combining chemical substances as opposed to being naturally occurring
93. half qu\_\_\_\_\_ty *n.* the amount or number of something; magnitude
94. victim of a vi\_\_\_\_\_t crime *adj.* involving or caused by physical force or aggression against someone or something

ANSWERS: 87. intern, 88. convolution, 89. app, 90. pace, 91. module, 92. synthetic, 93. quantity, 94. violent

95. env\_\_\_\_\_nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
96. exp\_\_\_\_\_al growth *adj.* becoming more and more rapid; of or involving mathematical exponents
97. medical in\_\_\_\_n *v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria
98. beer fr\_\_h *n.* a mass of small bubbles on the surface of a liquid caused by agitation or fermentation; a light, airy, or frothy substance; foam or lather
99. design to be dis\_\_\_\_\_ve *adj.* having a quality or characteristic that makes it stand out from others
100. de\_\_\_\_p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
101. fairly ty\_\_\_\_l symptoms *adj.* having the usual characteristics or traits of a specific group of things
102. ex\_\_\_e the crowd *v.* to make someone feel suddenly enthusiastic or eager
103. top of the hi\_\_\_\_\_hy *n.* a system in which people or things are organized into different levels of importance from highest to lowest

ANSWERS: 95. environment, 96. exponential, 97. intern, 98. froth, 99. distinctive, 100. develop, 101. typical, 102. excite, 103. hierarchy

104. the b\_\_w of a hill *n.* the ridge over the eye sockets; the forehead
105. fo\_\_\_\_ad wrinkles *n.* the part of the face above the eyebrows and below the hairline; the upper part of the face that extends from the eyes to the hairline
106. tr\_\_\_\_r a biochemical response *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
107. telephone ex\_\_\_\_\_on *n.* a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line
108. sardonic hu\_\_r *n.* the quality of being amusing or funny; the liquid parts of the body
109. wa\_\_\_t oil *n.* a nut of a tall deciduous tree, commonly eaten as a snack or used in baking; the wood of this tree, used for furniture and other applications
110. a ti\_\_\_\_\_me person *adj.* causing weariness, boredom, or annoyance; dull, monotonous, or tedious
111. master th\_\_\_s *n.* a written essay, especially one submitted for a university degree, that sets out the author's findings on a particular subject
112. every ni\_\_e of society *n.* a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it

ANSWERS: 104. brow, 105. forehead, 106. trigger, 107. extension, 108. humor, 109. walnut, 110. tiresome, 111. thesis, 112. niche

113. a bu\_\_h of trees *n.* a grouping of several similar things which are growing or fastened together
114. or\_\_\_\_ry annual revenue *adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree
115. cheese r\_\_d *n.* the tough outer layer of something, such as a fruit or cheese; a strip or ring of the outer skin, covering, or layer on an object
116. kiss on the fo\_\_\_\_ad *n.* the part of the face above the eyebrows and below the hairline; the upper part of the face that extends from the eyes to the hairline
117. co\_\_\_\_us effort *adj.* being aware of and able to respond to what is happening around you
118. con\_\_\_\_al art *adj.* related to or founded on ideas, principles
119. the tr\_\_d away from television *n.* a general direction in which something is changing or developing
120. st\_\_\_\_h along the coast *v.* to make or be capable of making anything longer or broader without hurting or breaking
121. apex pr\_\_\_\_or *n.* an animal whose natural behavior is to prey on others
122. long-ex\_\_\_\_t volcano *adj.* no longer in existence
123. orange r\_\_d *n.* the tough outer layer of something, such as a fruit or cheese; a strip or ring of the outer skin, covering, or layer on an object

ANSWERS: 113. bunch, 114. ordinary, 115. rind, 116. forehead, 117. conscious, 118. conceptual, 119. trend, 120. stretch, 121. predator, 122. extinct, 123. rind

124. spam b\_t *n.* a computer program or software application that is capable of performing automated tasks, often on the internet; a type of electronic device that provides autonomous service or assistance to users
125. sp\_\_\_\_\_l ability *adj.* of or relating space and the position, area, and size of things
126. ext\_\_\_\_\_on prevention *n.* the complete disappearance of a species from the earth
127. al\_\_\_\_\_hm for image processing *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
128. a narrative p\_\_m *n.* a piece of writing that emphasizes the expression of feelings and ideas by paying particular attention to diction (sometimes rhyme), rhythm, and imagery
129. li\_\_\_\_\_me benefits *n.* the duration of someone's life or something's existence;
130. an ab\_\_\_\_\_ct noun *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
131. brink of ext\_\_\_\_\_on *n.* the complete disappearance of a species from the earth
132. chemical ad\_\_\_\_\_on *n.* the act or process of adding something to something else; the process of adding numbers
133. a hi\_\_\_\_\_us anecdote *adj.* extremely funny

ANSWERS: 124. bot, 125. spatial, 126. extinction, 127. algorithm, 128. poem, 129. lifetime, 130. abstract, 131. extinction, 132. addition, 133. hilarious

134. ca\_\_\_\_\_ry action *n.* a tube of small internal diameter; any of the minute tubes that carry blood
135. sub\_\_\_\_\_on of dry ice *n.* the process of transforming a solid directly into a gas (or vice versa) without passing through the intermediate liquid phase; (of psychology) the channeling of repressed emotions or impulses into socially acceptable behavior or productive activities
136. new con\_\_\_\_\_al framework *adj.* related to or founded on ideas, principles
137. de\_\_\_\_\_p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
138. sy\_\_\_\_\_ic fertilizer *adj.* made by combining chemical substances as opposed to being naturally occurring
139. me\_\_\_\_\_ue topping *n.* a sweet, whipped dessert topping made from egg whites and sugar, usually baked or cooked and used to top pies, cakes, or pastries
140. time ex\_\_\_\_\_on *n.* a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line

ANSWERS: 134. capillary, 135. sublimation, 136. conceptual, 137. develop, 138. synthetic, 139. meringue, 140. extension

141. chaotic env\_\_\_\_\_nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
142. res\_\_\_\_\_on of a conflict *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
143. b\_t detection *n.* a computer program or software application that is capable of performing automated tasks, often on the internet; a type of electronic device that provides autonomous service or assistance to users
144. the te\_\_\_\_\_ue applied to construction *n.* a particular way or art of doing something that needs skill
145. ant\_\_\_\_\_ize animals *v.* to attribute human characteristics, emotions, and abilities to non-human entities
146. vi\_\_\_\_\_t incident *adj.* involving or caused by physical force or aggression against someone or something
147. wa\_\_\_\_t tree *n.* a nut of a tall deciduous tree, commonly eaten as a snack or used in baking; the wood of this tree, used for furniture and other applications
148. the professor of su\_\_\_\_\_y *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures

ANSWERS: 141. environment, 142. resolution, 143. bot, 144. technique, 145. anthropomorphize, 146. violent, 147. walnut, 148. surgery



149. complex con\_\_\_\_\_on *n.* a complex or intricate twist, turn, or arrangement of something; a complex or winding thought process, argument, or situation
150. pr\_\_\_\_\_e sanctuary *n.* any mammal of the order Primates, which includes monkeys, apes, and humans
151. pr\_\_\_\_\_e species *n.* any mammal of the order Primates, which includes monkeys, apes, and humans
152. sh\_\_\_\_k with fear *v.* to become smaller, or to make something smaller in size or amount
153. ind\_\_\_\_\_al freedom *n.* a single person or thing, as distinct from a group
154. a br\_\_d mind *adj.* very wide; general
155. ab\_\_\_\_\_ct science *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
156. understand his mot\_\_\_\_\_on *n.* the reason or enthusiasm for acting or behaving in a particular way
157. fr\_\_h in the ocean *n.* a mass of small bubbles on the surface of a liquid caused by agitation or fermentation; a light, airy, or frothy substance; foam or lather
158. pe\_\_\_\_\_e every day *n.* a liquid that emits and diffuses a pleasant smell, usually used on the skin
159. im\_\_\_\_\_nt security measures *v.* to put a decision, plan, or system into effect

ANSWERS: 149. convolution, 150. primate, 151. primate, 152. shrink, 153. individual, 154. broad, 155. abstract, 156. motivation, 157. froth, 158. perfume, 159. implement

160. ex\_\_\_\_\_on project *n.* the process of becoming larger or more extensive, or the result of this process
161. co\_\_\_r honor *v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
162. become increasingly com\_\_\_\_\_ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
163. the runner's p\_\_e *n.* the speed at which someone or something moves, or the rate at which something happens or changes
164. ir\_\_\_c result *adj.* using words to express something different from and often opposite to their literal or usual meaning, often for humorous or rhetorical effect
165. the branch of neu\_\_\_\_\_nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
166. acc\_\_\_\_\_te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly
167. display res\_\_\_\_\_on *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
168. wage sup\_\_\_\_\_nt *n.* something that is added to something else to make it better or complete it

ANSWERS: 160. expansion, 161. confer, 162. complicated, 163. pace, 164. ironic, 165. neuroscience, 166. accelerate, 167. resolution, 168. supplement

169. ov\_\_\_\_ke a milestone      *v.* to catch up to and pass by someone or something that is in front of you, usually about moving vehicles; to come to a point where you become more successful, important, or influential than someone or something else
170. mo\_\_\_\_e software      *n.* a self-contained unit or component of a larger system or structure; a standardized unit of computer hardware or software designed to perform a specific function
171. di\_\_\_\_ur fossil      *n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
172. the in\_\_\_\_on of new techniques      *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
173. high pain th\_\_\_\_ld      *n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
174. qua\_\_\_\_ve factors      *adj.* relating to or involving qualities, such as properties, characteristics, or features, rather than quantities or numbers, often used to describe research or analysis that focuses on subjective or non-measurable factors
175. a drift of a th\_\_\_\_s      *n.* a written essay, especially one submitted for a university degree, that sets out the author's findings on a particular subject

ANSWERS: 169. overtake, 170. module, 171. dinosaur, 172. invention, 173. threshold, 174. qualitative, 175. thesis

176. pr\_\_\_\_le outcome *adj.* likely to happen or likely to be true
177. stored in ne\_\_\_\_\_ex *n.* the part of the cerebral cortex that is responsible for higher brain functions such as conscious thought and decision-making
178. killer a\_p *n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
179. hi\_\_\_\_\_hy of folders *n.* a system in which people or things are organized into different levels of importance from highest to lowest
180. cr\_\_\_\_re of habit *n.* a living being, especially an animal
181. qua\_\_\_\_\_ve analysis *adj.* relating to or involving qualities, such as properties, characteristics, or features, rather than quantities or numbers, often used to describe research or analysis that focuses on subjective or non-measurable factors
182. fight vi\_\_l infections *adj.* relating to or caused by a virus
183. ad\_\_\_\_\_on of vectors *n.* the act or process of adding something to something else; the process of adding numbers
184. the a\_\_n terminals *n.* a long and slender projection of a nerve cell, or neuron, that sends out signals away from the nerve cell
185. autistic st\_\_\_\_\_ng *n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation

ANSWERS: 176. probable, 177. neocortex, 178. app, 179. hierarchy, 180. creature, 181. qualitative, 182. viral, 183. addition, 184. axon, 185. stimming

186. an a\_\_n of a nerve cell *n.* a long and slender projection of a nerve cell, or neuron, that sends out signals away from the nerve cell
187. sh\_\_\_k the tumor *v.* to become smaller, or to make something smaller in size or amount
188. a te\_\_\_\_\_ue in martial arts *n.* a particular way or art of doing something that needs skill
189. the en\_\_\_\_\_re of a city *n.* a wall, fence, or other barriers that surround an area, keeping it separate and protected
190. an excellent brain su\_\_\_\_\_n *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
191. the ground be\_\_\_\_\_h my feet *adv.* in or to a lower place than someone or something
192. re\_\_\_\_\_ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
193. use of dietary sup\_\_\_\_\_nts *n.* something that is added to something else to make it better or complete it
194. ex\_\_\_\_\_t by human activity *adj.* no longer in existence
195. ov\_\_\_\_\_ke a rival *v.* to catch up to and pass by someone or something that is in front of you, usually about moving vehicles; to come to a point where you become more successful, important, or influential than someone or something else
196. re\_\_\_\_\_or for HIV in humans *n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way

ANSWERS: 186. axon, 187. shrink, 188. technique, 189. enclosure, 190. surgeon, 191. beneath, 192. recognize, 193. supplement, 194. extinct, 195. overtake, 196. receptor

197. sp\_\_\_\_l distribution *adj.* of or relating space and the position, area, and size of things
198. detect a vi\_\_l code *adj.* relating to or caused by a virus
199. sl\_\_t a hat *v.* to lean or slope in a particular direction; to present or interpret information or a situation in a biased or distorted way
200. co\_\_\_\_\_e augmented reality *v.* to join or merge to form a single thing or group
201. the th\_\_\_\_\_ld between rooms *n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
202. qu\_\_y result *n.* a question or inquiry, often used in the context of research, information-gathering, or data analysis; a request for information
203. im\_\_\_\_\_nt a corporate strategy *v.* to put a decision, plan, or system into effect
204. qu\_\_y language *n.* a question or inquiry, often used in the context of research, information-gathering, or data analysis; a request for information
205. a hand-loomed fa\_\_\_c *n.* cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.
206. su\_\_\_\_\_ze text *v.* to give a brief statement of the most important facts or ideas about something
207. ro\_\_\_t repellent *n.* a small, gnawing mammal, such as a mouse, rat, or squirrel, that has sharp incisors and typically has a long, thin tail

ANSWERS: 197. spatial, 198. viral, 199. slant, 200. combine, 201. threshold, 202. query, 203. implement, 204. query, 205. fabric, 206. summarize, 207. rodent

208. co\_\_\_\_al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
209. p\_\_m to the dead *n.* a piece of writing that emphasizes the expression of feelings and ideas by paying particular attention to diction (sometimes rhyme), rhythm, and imagery
210. li\_\_\_\_\_me ban from the sport *n.* the duration of someone's life or something's existence;
211. co\_\_\_\_r degree *v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
212. ex\_\_\_\_d agricultural output *v.* to increase or to make something greater in size, number, or importance
213. co\_\_\_\_\_al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
214. de\_\_\_\_t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
215. linen na\_\_\_\_n *n.* a small piece of cloth or paper used for wiping one's mouth and hands while eating; a decorative cloth placed on a table for formal occasions
216. a theoretical concept in neu\_\_\_\_\_nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
217. top of the ri\_\_e *n.* a long, narrow, raised landform or rock formation
218. an international tr\_\_d *n.* a general direction in which something is changing or developing

ANSWERS: 208. communal, 209. poem, 210. lifetime, 211. confer, 212. expand, 213. communal, 214. detect, 215. napkin, 216. neuroscience, 217. ridge, 218. trend

219. ev\_\_\_\_\_on theory *n.* a gradual process of transformation of living things
220. l\_\_p to a conclusion *v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward
221. acc\_\_\_\_\_te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
222. tax in je\_\_\_\_\_dy *n.* the state of being in danger or at risk of harm or loss
223. sop\_\_\_\_\_ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
224. co\_\_\_x cells *n.* the outermost layer of an organ, especially the brain
225. su\_\_\_\_\_e ignorance *adj.* of such excellence, grandeur, or beauty as to inspire great admiration or awe
226. science of ec\_\_\_\_\_y *n.* the study of the relationships between living organisms, including humans, and their physical environment
227. human ev\_\_\_\_\_on *n.* a gradual process of transformation of living things
228. residual qu\_\_\_\_\_ty *n.* the amount or number of something; magnitude
229. cell and molecular bi\_\_\_\_\_y *n.* the scientific study of life and the natural processes of living things
230. online enc\_\_\_\_\_dia *n.* a comprehensive reference work containing articles on a wide range of subjects or numerous aspects of a particular field or discipline, usually arranged alphabetically or thematically

ANSWERS: 219. evolution, 220. leap, 221. accelerate, 222. jeopardy, 223. sophisticated, 224. cortex, 225. sublime, 226. ecology, 227. evolution, 228. quantity, 229. biology, 230. encyclopedia



231. ha\_\_\_\_ue protesters *v.* to aggressively or forcefully address a group of people, often with a lengthy and impassioned speech; to criticize or scold someone at length and with intensity; (noun) a lengthy and aggressive speech or lecture
232. st\_\_\_\_ng therapy *n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
233. chocolate me\_\_\_\_ue pie *n.* a sweet, whipped dessert topping made from egg whites and sugar, usually baked or cooked and used to top pies, cakes, or pastries
234. sl\_\_\_\_y writing *adj.* characterized by a lack of order or neatness; careless, disorganized, or careless in appearance or performance
235. ex\_\_\_\_d a lineup *v.* to increase or to make something greater in size, number, or importance
236. basic br\_\_n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
237. ni\_\_e market *n.* a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it
238. a bu\_\_h of schoolgirls *n.* a grouping of several similar things which are growing or fastened together

ANSWERS: 231. harangue, 232. stimming, 233. meringue, 234. sloppy, 235. expand, 236. brain, 237. niche, 238. bunch

239. prevent ro\_\_\_t damage *n.* a small, gnawing mammal, such as a mouse, rat, or squirrel, that has sharp incisors and typically has a long, thin tail
240. paper na\_\_\_n *n.* a small piece of cloth or paper used for wiping one's mouth and hands while eating; a decorative cloth placed on a table for formal occasions
241. pl\_\_\_\_ra of information *n.* an overabundance or excess of something; a state of having too much of something
242. co\_\_\_\_e chemically with another substance *v.* to join or merge to form a single thing or group
243. be\_\_\_\_h contempt *adv.* in or to a lower place than someone or something
244. a ca\_\_\_\_ry tube *n.* a tube of small internal diameter; any of the minute tubes that carry blood

ANSWERS: 239. rodent, 240. napkin, 241. plethora, 242. combine, 243. beneath, 244. capillary

## Session 3: Fill in the Blanks

1. The government promised to \_\_\_\_\_ a new system to control the financial crisis.
  - v. to put a decision, plan, or system into effect
2. The deep sea \_\_\_\_\_ was unlike anything the scientists had ever seen before.
  - n. a living being, especially an animal
3. I must install a new programming \_\_\_\_\_ for my computer program to function properly.
  - n. a self-contained unit or component of a larger system or structure; a standardized unit of computer hardware or software designed to perform a specific function
4. The cerebral \_\_\_\_\_ consists of six layers.
  - n. the outermost layer of an organ, especially the brain
5. The incident \_\_\_\_\_ a political controversy.
  - v. to make something happen suddenly; to cause something such as a device, machine, etc. to function
6. Many companies are now enthusiastically embracing the knowledge of \_\_\_\_\_ for sustainable development.
  - n. the study of the relationships between living organisms, including humans, and their physical environment
7. He is a skilled \_\_\_\_\_ that has many years of training and experience.
  - n. a doctor who is trained to perform medical operations that involve cutting open a person's body

ANSWERS: 1. implement, 2. creature, 3. module, 4. cortex, 5. triggered, 6. ecology, 7. surgeon

8. It was \_\_\_\_\_ that the heavy rain started just as they set up for an outdoor picnic.  
*adj.* using words to express something different from and often opposite to their literal or usual meaning, often for humorous or rhetorical effect
9. The translation \_\_\_\_ helped me translate a website from another country.  
*n.* a computer program or software application that is capable of performing automated tasks, often on the internet; a type of electronic device that provides autonomous service or assistance to users
10. The discovery of a critical bug caused the company to delay the \_\_\_\_\_ release.  
*n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
11. The athlete was able to \_\_\_\_\_ over the hurdle with ease.  
*v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward
12. He set up a trap to catch the \_\_\_\_\_.  
*n.* a small, gnawing mammal, such as a mouse, rat, or squirrel, that has sharp incisors and typically has a long, thin tail
13. The city is known for its impressive \_\_\_\_\_ and beautiful old buildings.  
*n.* the art and science of designing and constructing buildings
14. The government tried to \_\_\_\_\_ the commercialization of this development.  
*v.* to make something faster or earlier; to cause to develop or progress more quickly
15. The discovery of a new \_\_\_\_\_ species made headlines in the scientific community.  
*n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin

ANSWERS: 8. ironic, 9. bot, 10. app's, 11. leap, 12. rodent, 13. architecture, 14. accelerate, 15. dinosaur

16. We must \_\_\_\_\_ a new system to streamline our workflow and increase efficiency.
- v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
17. These synthetic \_\_\_\_\_ are used in military vests because of their excellent abrasion resistance.
- n. cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.
18. She wiped the sweat from her \_\_\_\_\_ after finishing the marathon.
- n. the ridge over the eye sockets; the forehead
19. The athlete had sweat dripping down her \_\_\_\_\_ after the intense workout.
- n. the part of the face above the eyebrows and below the hairline; the upper part of the face that extends from the eyes to the hairline
20. The navy \_\_\_\_\_ ships of defeated nations.
- v. to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria
21. The native South American animals were in danger because of the \_\_\_\_\_ arrival.
- n. an animal whose natural behavior is to prey on others
22. Each chapter \_\_\_\_\_ the most critical issues.
- v. to give a brief statement of the most important facts or ideas about something

ANSWERS: 16. develop, 17. fabrics, 18. brow, 19. forehead, 20. interned, 21. predator's, 22. summarizes

23. In southward, the average annual water \_\_\_\_\_ increases.  
*n.* the amount or number of something; magnitude
24. He had undergone heart \_\_\_\_\_ years before.  
*n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
25. The news article \_\_\_\_\_ the story in favor of one political party.  
*v.* to lean or slope in a particular direction; to present or interpret information or a situation in a biased or distorted way
26. She's on the \_\_\_\_\_ of adulthood.  
*n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
27. The invention of the camera triggered the development of \_\_\_\_\_ painting.  
*adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
28. The cappuccino was topped with \_\_\_\_\_ making it look like a work of art.  
*n.* a mass of small bubbles on the surface of a liquid caused by agitation or fermentation; a light, airy, or frothy substance; foam or lather
29. They study the \_\_\_\_\_ of the universe.  
*n.* a gradual process of transformation of living things
30. The cheese had a thick \_\_\_\_\_ that needed to be removed before eating.  
*n.* the tough outer layer of something, such as a fruit or cheese; a strip or ring of the outer skin, covering, or layer on an object

ANSWERS: 23. quantity, 24. surgery, 25. slanted, 26. threshold, 27. abstract, 28. froth, 29. evolution, 30. rind

31. 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

32. 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

33. The novel's plot is full of twists and turns, creating a complex \_\_\_\_\_ of events.

*n.* a complex or intricate twist, turn, or arrangement of something; a complex or winding thought process, argument, or situation

34. This shirt will \_\_\_\_\_ in the wash.

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

35. The police placed a \_\_\_\_\_ across the street to halt traffic.

*n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective

36. The mountain range was full of rocky \_\_\_\_\_ and deep valleys.

*n.* a long, narrow, raised landform or rock formation

37. The protesters became \_\_\_\_\_ when the police tried to disperse them.

*adj.* involving or caused by physical force or aggression against someone or something

38. The species occupies a unique \_\_\_\_\_ in the ecosystem as a top predator.

*n.* a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it

ANSWERS: 31. individual, 32. structure, 33. convolution, 34. shrink, 35. barrier, 36. ridges, 37. violent, 38. niche

39. We can evaluate the performance of an \_\_\_\_\_ in terms of computation time.
- n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
40. His writing style was \_\_\_\_\_ with a clear and concise voice.
- adj.* having a quality or characteristic that makes it stand out from others
41. The \_\_\_\_\_ to the safe was a secret.
- n.* a collection of things that have been combined; an assemblage of separate parts or qualities
42. This device can more accurately detect \_\_\_\_\_ pathogens.
- adj.* relating to or caused by a virus
43. The cerebral \_\_\_\_\_ is responsible for higher brain functions such as decision-making and problem-solving.
- n.* the part of the cerebral cortex that is responsible for higher brain functions such as conscious thought and decision-making
44. He has absolutely no \_\_\_\_\_ comprehension of maths.
- adj.* related to or founded on ideas, principles
45. The restaurant's menu offered a \_\_\_\_\_ of options for vegetarians.
- n.* an overabundance or excess of something; a state of having too much of something
46. 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: 39. algorithm, 40. distinctive, 41. combination, 42. viral, 43. neocortex, 44. conceptual, 45. plethora, 46. complicated



47. A great \_\_\_\_\_ is a fountain forever overflowing with the waters of wisdom and delight.
- n.* a piece of writing that emphasizes the expression of feelings and ideas by paying particular attention to diction (sometimes rhyme), rhythm, and imagery
48. My leg kicked involuntarily when the doctor tapped my knee with the \_\_\_\_\_ hammer.
- n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
49. I love adding \_\_\_\_\_ to my oatmeal in the morning for an extra crunch.
- n.* a nut of a tall deciduous tree, commonly eaten as a snack or used in baking; the wood of this tree, used for furniture and other applications
50. The project is in \_\_\_\_\_ of being canceled due to a lack of funding.
- n.* the state of being in danger or at risk of harm or loss
51. The mule is a \_\_\_\_\_ between a male donkey and a female horse.
- adj.* composed of different elements or mixed characters
52. The politician used the podium to \_\_\_\_\_ the crowd about the importance of voting.
- v.* to aggressively or forcefully address a group of people, often with a lengthy and impassioned speech; to criticize or scold someone at length and with intensity; (noun) a lengthy and aggressive speech or lecture
53. He carefully determined the \_\_\_\_\_ relations of every piece of the stage set.
- adj.* of or relating space and the position, area, and size of things
54. The policies he announces can be the \_\_\_\_\_ of economic growth in the country.
- n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

ANSWERS: 47. poem, 48. reflex, 49. walnuts, 50. jeopardy, 51. hybrid, 52. harangue, 53. spatial, 54. engine

55. The \_\_\_\_\_ robot was able to mimic human movements and expressions.  
*n.* a machine or creature that has a body shape similar to that of a human
56. He continued to grow his empire through \_\_\_\_\_.  
*n.* the act or process of taking control of a country, area, or situation
57. The economy is growing at a supercharged \_\_\_\_\_.  
*n.* the speed at which someone or something moves, or the rate at which something happens or changes
58. Jockey's superior \_\_\_\_\_ brought him victory.  
*n.* a particular way or art of doing something that needs skill
59. The security camera has \_\_\_\_\_ four intruders.  
*v.* to find or recognize something, especially something difficult to see, hear, etc.
60. In \_\_\_\_\_ private corporations provide healthcare services.  
*n.* the act or process of adding something to something else; the process of adding numbers
61. The \_\_\_\_\_ tower provided a clear view of the surrounding area.  
*n.* a person or group of people who are responsible for watching for danger or other potential threats and warning others of their presence
62. We are developing a technology to promote the elongation and regeneration of sensory nerve \_\_\_\_\_.  
*n.* a long and slender projection of a nerve cell, or neuron, that sends out signals away from the nerve cell

ANSWERS: 55. humanoid, 56. conquest, 57. pace, 58. technique, 59. detected, 60. addition, 61. lookout, 62. axons

63. Marketing strategies are growing more \_\_\_\_\_.

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

64. The race car driver knew he had to \_\_\_\_\_ the other drivers to win the race.

*v.* to catch up to and pass by someone or something that is in front of you, usually about moving vehicles; to come to a point where you become more successful, important, or influential than someone or something else

65. Our university is famous for its professors, who are well-versed in behavioral \_\_\_\_\_.

*n.* the scientific study of the function, structure, and disorder of the brain and the nervous system

66. There are many \_\_\_\_\_ vessels in the gills of fish.

*n.* a tube of small internal diameter; any of the minute tubes that carry blood

67. Hay fever occurs when a substance called histamine binds to \_\_\_\_\_ in the nose and eyes.

*n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way

68. Necessity is the mother of \_\_\_\_\_.

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

69. She looked \_\_\_\_\_ in her wrinkled shirt and mismatched socks.

*adj.* characterized by a lack of order or neatness; careless, disorganized, or careless in appearance or performance

ANSWERS: 63. sophisticated, 64. overtake, 65. neuroscience, 66. capillary, 67. receptors, 68. invention, 69. sloppy

70. The \_\_\_\_\_ of the dinosaurs is thought to have been caused by an asteroid impact.

*n.* the complete disappearance of a species from the earth

71. The researchers used a \_\_\_\_\_ approach to analyze their findings.

*adj.* relating to or involving qualities, such as properties, characteristics, or features, rather than quantities or numbers, often used to describe research or analysis that focuses on subjective or non-measurable factors

72. This artwork is \_\_\_\_\_ of her work.

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

73. \_\_\_\_\_ diamonds play an essential role as machine tool blades.

*adj.* made by combining chemical substances as opposed to being naturally occurring

74. The \_\_\_\_\_ research provided statistical evidence to support the hypothesis.

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

75. Many scientists study \_\_\_\_\_ behavior and intelligence.

*n.* any mammal of the order Primates, which includes monkeys, apes, and humans

76. It seems \_\_\_\_\_ that he has forgotten our scheduled meeting.

*adj.* likely to happen or likely to be true

77. Certain \_\_\_\_\_ may promote tumor growth.

*n.* something that is added to something else to make it better or complete it

ANSWERS: 70. extinction, 71. qualitative, 72. typical, 73. Synthetic, 74. quantitative, 75. primate, 76. probable, 77. supplements

78. The oil price continued their downward \_\_\_\_\_.
- n.* a general direction in which something is changing or developing
79. Autistic children may engage in \_\_\_\_\_ behaviors, such as rocking or hand flapping, to self-regulate.
- n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
80. The \_\_\_\_\_ held several exotic animals, including lions and tigers.
- n.* a wall, fence, or other barriers that surround an area, keeping it separate and protected
81. The company is undergoing an \_\_\_\_\_ opening new locations in several states.
- n.* the process of becoming larger or more extensive, or the result of this process
82. They hope to \_\_\_\_\_ their business worldwide.
- v.* to increase or to make something greater in size, number, or importance
83. She has taken a step up in the organizational \_\_\_\_\_.
- n.* a system in which people or things are organized into different levels of importance from highest to lowest
84. It's important to \_\_\_\_\_ your strengths and weaknesses.
- v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
85. The \_\_\_\_\_ on the lemon pie was perfectly fluffy and sweet.
- n.* a sweet, whipped dessert topping made from egg whites and sugar, usually baked or cooked and used to top pies, cakes, or pastries

ANSWERS: 78. trend, 79. stimming, 80. enclosure, 81. expansion, 82. expand, 83. hierarchy, 84. recognize, 85. meringue

86. I always keep a stack of \_\_\_\_\_ on my desk while I eat to prevent any messes.
- n.* a small piece of cloth or paper used for wiping one's mouth and hands while eating; a decorative cloth placed on a table for formal occasions
87. Many bookshops no longer carry printed \_\_\_\_\_ but some libraries still hold onto their collections.
- n.* a comprehensive reference work containing articles on a wide range of subjects or numerous aspects of a particular field or discipline, usually arranged alphabetically or thematically
88. Eyeless fish \_\_\_\_\_ in dark caves.
- v.* to develop gradually, or to cause the development of something or someone gradually
89. He sniffed the \_\_\_\_\_ voluptuously.
- n.* a liquid that emits and diffuses a pleasant smell, usually used on the skin
90. The children \_\_\_\_\_ their stuffed animals and gave them personalities.
- v.* to attribute human characteristics, emotions, and abilities to non-human entities
91. The \_\_\_\_\_ process involves a solid directly turning into a gas without becoming a liquid first.
- n.* the process of transforming a solid directly into a gas (or vice versa) without passing through the intermediate liquid phase; (of psychology) the channeling of repressed emotions or impulses into socially acceptable behavior or productive activities
92. He made a New Year's \_\_\_\_\_ to exercise more and eat healthier.
- n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

ANSWERS: 86. napkins, 87. encyclopedias, 88. evolved, 89. perfume, 90. anthropomorphized, 91. sublimation, 92. resolution

93. They are building an \_\_\_\_\_ to the house to add more bedrooms.  
*n.* a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line
94. She had lived through two world wars in her \_\_\_\_\_.  
*n.* the duration of someone's life or something's existence;
95. The leaders of the two countries met to \_\_\_\_\_ on the issue.  
*v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
96. The project's \_\_\_\_\_ made it difficult for the team to complete it on time.  
*n.* the state or quality of being complicated or intricate and difficult to understand
97. I had a \_\_\_\_\_ about my bank statement and called customer service for an explanation.  
*n.* a question or inquiry, often used in the context of research, information-gathering, or data analysis; a request for information
98. A significant amount of \_\_\_\_\_ is required to be a teacher.  
*n.* the reason or enthusiasm for acting or behaving in a particular way
99. He accumulated wealth across a \_\_\_\_\_ spectrum of assets.  
*adj.* very wide; general
100. \_\_\_\_\_ milk is known to be rich in protein and essential vitamins.  
*adj.* of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior

ANSWERS: 93. extension, 94. lifetime, 95. confer, 96. complexity, 97. query, 98. motivation, 99. broad, 100. Mammalian

101. The view from the mountaintop was genuinely \_\_\_\_\_.

*adj.* of such excellence, grandeur, or beauty as to inspire great admiration or awe

102. His \_\_\_\_\_ on the effects of climate change won several awards.

*n.* a written essay, especially one submitted for a university degree, that sets out the author's findings on a particular subject

103. A great stretch of the lake lay \_\_\_\_\_ them.

*adv.* in or to a lower place than someone or something

104. 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

105. The national assembly has \_\_\_\_\_ the budget.

*v.* to choose to follow something; to legally take a child from another family and care for them as if they were one's own

106. Hydrogen and oxygen \_\_\_\_\_ to form water.

*v.* to join or merge to form a single thing or group

107. In junior high school, we had to dissect a frog in \_\_\_\_\_ class.

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

108. Not all teachers accept citing \_\_\_\_\_ as a valid source for academic papers.

*n.* an online encyclopedia that allows users to contribute and edit articles collaboratively; a vast and frequently updated repository of information on a wide range of topics

ANSWERS: 101. sublime, 102. thesis, 103. beneath, 104. environment, 105. adopted, 106. combine, 107. biology, 108. Wikipedia



109. X-rays revealed a small tumor in his \_\_\_\_\_.

*n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

110. Since the 1990s, the Internet has continued to experience \_\_\_\_\_ growth.

*adj.* becoming more and more rapid; of or involving mathematical exponents

111. \_\_\_\_\_ elections were held in several European countries.

*adj.* belonging to or used by a group rather than individuals; for common use

112. The \_\_\_\_\_ session of the Diet opened.

*adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree

113. I take \_\_\_\_\_ supplements for their potential health benefits.

*n.* a tripeptide molecule composed of the amino acids glutamic acid, cysteine, and glycine produced naturally in the body, which is a powerful antioxidant that plays a crucial role in the body's defense against free radicals and supports the immune system

114. My wife seems to be in ill \_\_\_\_\_.

*n.* the quality of being amusing or funny; the liquid parts of the body

115. The news of her promotion \_\_\_\_\_ her.

*v.* to make someone feel suddenly enthusiastic or eager

116. The \_\_\_\_\_ argument between the two politicians seems to have no end.

*adj.* causing weariness, boredom, or annoyance; dull, monotonous, or tedious

ANSWERS: 109. brain, 110. exponential, 111. Communal, 112. ordinary, 113. glutathione, 114. humor, 115. excited, 116. tiresome

117. The club \_\_\_\_\_ does not have absolute power.

*n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.

118. Some herds have been observed to \_\_\_\_\_ hundreds of kilometers.

*v.* to make or be capable of making anything longer or broader without hurting or breaking

119. He became \_\_\_\_\_ that he was being followed.

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

120. Many species have become \_\_\_\_\_ due to habitat destruction and other human activities.

*adj.* no longer in existence

121. One bad apple spoils the whole \_\_\_\_\_.

*n.* a grouping of several similar things which are growing or fastened together

122. The comedian's stand-up routine was \_\_\_\_\_.

*adj.* extremely funny

ANSWERS: 117. president, 118. stretch, 119. conscious, 120. extinct, 121. bunch, 122. hilarious