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Poppy Crum: Technology that knows what you're feeling | TED Talk

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hat_knows_what_you_re_feeling](https://www.ted.com/talks/poppy_crum_technology_that_knows_what_you_re_feeling)

All Words

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Session 1: Word List

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.

slight

adj. very small in degree or amount

synonym: feeble, nuanced, subtle

(1) feel a **slight** concern, (2) **slight** increase

We made **slight** modifications to reflect the views of both sides.

facial

adj. of or relating to a person's face

synonym: forward, front, surface

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

Facial profiling is a new form of airport security.

expression

n. the act of conveying thoughts, feelings, or ideas using words, facial expressions, body language, or art; a look or gesture that conveys a particular emotion or mood

synonym: statement, utterance, remark

(1) artistic **expression**, (2) **expression** of interest

His facial **expression** showed a mix of surprise and

confusion.

fake

adj. not genuine; fraudulent or counterfeit

synonym: affected, bogus, counterfeit

(1) **fake** police officer, (2) spread of **fake** news

The prime minister was not well prepared for the debate and **faked** it

incredibly

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

synonym: enormously, exceptionally, extraordinarily

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

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

intelligent

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

synonym: brilliant, clever, competent

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

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

internal

adj. of or relating to the inside of something

synonym: interior, inner, domestic

(1) **internal** organs, (2) the **internal** economy

The prime minister canceled visits to other countries to resolve **internal** disputes.

agency

n. an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action

synonym: organization, bureau, institution

(1) real estate **agency**, (2) intelligence **agency**

The government **agency** regulated the country's food and drug safety standards.

poke

v. to push or prod with a sharp object or the finger

synonym : prod, jab, push

(1) **poke** around the desk, (2) **poke** a fire

They **poked** fun at each other's jokes, laughing and teasing.

scare

v. to frighten a person or animal, or to become frightened

synonym : frighten, spook, intimidate

(1) **scare** off her attacker by screaming, (2) **scare** the birds away

We hit the ground to **scare** out the rabbits.

necessarily

adv. in an essential manner; in such a way as could not be otherwise

synonym : inevitable, certainly, automatically

(1) not **necessarily** a problem, (2) **necessarily** true

This accident was something that happened **necessarily**.

circuit

n. (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area

synonym : route, course, rotation

(1) **circuit** breaker, (2) federal **circuit** courts

An intelligent battery has a voltage monitoring **circuit**.

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**.

perception

n. a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses

synonym : understanding, idea, awareness

(1) keen **perception**, (2) **perception** of a stimulus
He is a man admired for the depth of his **perception**.

amazing

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

synonym : exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling
The golfer recorded an **amazing** distance.

upfront

adj. frank and honest; (adverb) (of payment) in advance

synonym : honest, authentic, fair

(1) an **upfront** tone, (2) pay **upfront**
He was very **upfront** with him about his intentions.

mechanism

n. a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

synonym : means, method, system

(1) the **mechanism** for DNA replication, (2) defense **mechanism**

He discovered unique **mechanisms** for photochemical reactions.

interaction

n. the act of connecting with someone, mainly when working, playing, or spending time with them

synonym : dealings, exchange, relations

(1) the **interaction** between man and his environment,
(2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

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.

evolutionary

adj. relating to or denoting how living things develop or change from earlier forms

synonym : developmental, mutative, transformative

(1) ecology and **evolutionary** biology, (2) the **evolutionary** process

Evolutionary algorithms can find ways to optimize that humans do not anticipate.

deterministic

adj. characterized by an assumption of cause and effect and the absence of chance or randomness, often used to describe scientific or engineering calculations

synonym : predictable, predetermined, certain

(1) **deterministic** approach, (2) **deterministic** system

The **deterministic** algorithm always produces the same result for a given input.

violin

n. a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings

synonym : fiddle

(1) **violin** soloist, (2) play the **violin**

The cello is a member of the **violin** family.

spider

n. a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing

synonym : arachnid, wanderer

(1) **spider** venom, (2) web **spider**

The **spider** spun an intricate web in the corner of the room.

critic

n. someone who expresses opinions about the quality of books, music, etc.

synonym : pundit, analyst, attacker

(1) art **critic**, (2) severe **critic**

Advocates for legal reform hear less harsh words from their **critics**.

singe

v. to burn something slightly or superficially, usually by mistake

synonym: sear, char, burn

(1) **singe** off the hair over the flames, (2) **singe** the edges of a fabric

I didn't realize the iron was still hot and **singed** my dress.

pitch

n. the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something

synonym: angle, gradient, slope

(1) make a **pitch** for a new product, (2) a low- **pitched** sound

Her voice gradually increased in **pitch**.

poppy

n. a plant with large, showy flowers of various colors, including red, pink, yellow, and white, and a capsule containing small seeds, and some species of poppy are used to produce opium and its derivatives

(1) **poppy** tea, (2) **poppy** seeds

She wore a red **poppy** on her lapel to honor the veterans.

resonate

v. to be filled with a deep echoing sound

synonym: echo, reverberate, resound

(1) deeply **resonate** with the consumers, (2) **resonate** in the same frequency

The sound **resonates** well in this theater.

harmonic

adj. relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.

synonym: melodic, balanced, harmonious

(1) **harmonic** oscillator, (2) a natural **harmonic** quality

The violin's sound was so pure and **harmonic** that it gave me chills.

recreate

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

synonym : renovate, vivify, revive

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

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

predatory

adj. living by eating other animals, especially by catching prey that is still alive

synonym : raptorial, hunting, greedy

(1) a **predatory** bird, (2) **predatory** warfare

The domesticated cat still has its **predatory** instincts.

echolocation

n. the use of reflected sound waves to locate objects, particularly by dolphins and bats.

synonym : echo sounding

(1) bat **echolocation**, (2) ultrasound for **echolocation**

Dolphins use **echolocation** for hunting fish.

bat

n. a nocturnal animal with wings that flies and feeds at night, similar to a mouse; a piece of wood with a handle used for hitting the ball in sports including baseball, cricket, and table tennis

synonym : cane, rod, stick

(1) **bat** cave, (2) **bat** an eye

The cave was a habitat for **bats**.

predict

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

synonym : forecast, anticipate, foresee

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

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

bug

n. any tiny insect; a fault or defect in a computer program, system, or machine

synonym : insect, bacterium, microbe

(1) **bug** bites, (2) number of **bug** fixes

I found a stink **bug** crawling across the ceiling.

external

adj. belonging to or situated outside of someone or something

synonym: outside, exterior, foreign

(1) **external** factors, (2) **external** commerce

When a company discloses information to the market, an **external** auditor verifies them.

sleeve

n. a part of a garment that covers all or part of an arm

synonym: arm covering, armband

(1) a wide **sleeve**, (2) **sleeve** length

He rolled up his **sleeves** to get ready to work.

cognitive

adj. of or relating to mental processes of understanding

synonym: perceivable, mind, mental

(1) improve **cognitive** function, (2) research on **cognitive** psychology

His **cognitive** faculties were getting worse because of a lack of sleep.

emotion

n. a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others

synonym: feeling, sentiment, passion

(1) control my **emotion**, (2) afraid to show **emotion**

Some **emotions** are common across cultures and backgrounds.

insecure

adj. not firm or firmly fixed; likely to fail or give way, or not assured of safety

synonym: uncertain, unsure, unconfident

(1) an **insecure** future, (2) **insecure** attachment

Children in an unstructured environment often feel **insecure**.

bluff

v. to try to deceive someone into believing that you can or are going to do something, or that you have knowledge or abilities; (noun) a high steep bank, usually formed by river erosion

synonym : abrupt, cliff, precipice

(1) **bluff** the other side, (2) riverside **bluff**

He **bluffed** a person out of going.

tribulate

v. to cause someone to undergo severe hardship or distress; to afflict; to troubles; to suffer

synonym : afflict, trouble, suffer

(1) was **tribulated** by war, (2) **tribulate** villagers

She had to **tribulate** through many difficulties to achieve her goal.

entirely

adv. completely

synonym : completely, fully, totally

(1) **entirely** satisfied with the meal, (2) he was **entirely** to blame

Later, his claim was found to be **entirely** false.

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**.

lab

n. a workplace for the conduct of scientific research; a laboratory

synonym : workshop, laboratory, research chamber

(1) **lab** instrument, (2) medical **lab**

The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.

diameter

n. the length of a straight line passing through the center of a circle and connecting two points on the circumference

synonym : diam, width

(1) **diameter** of an oval, (2) a particle **diameter**

Draw a circle five centimeters in **diameter**.

pupil

n. the black circular opening in the center of the iris of the eye, through which light enters the eye; a student in school or university

synonym : iris, eye aperture, student

(1) **pupil** constriction, (2) attentive **pupil**

The **pupil** of your eye dilates in response to different light levels.

overlap

v. to partially cover something by going beyond its edge

synonym : overlay, cover, bespread

(1) **overlap** one another, (2) **overlap** in many areas

There was no **overlap** between their proposals.

autonomic

n. relating to the part of the nervous system that controls involuntary bodily functions, such as heartbeat, digestion, breathing, and glandular secretion

synonym : involuntary, automatic, self-regulating

(1) **autonomic** imbalance, (2) **autonomic** response

The **autonomic** nervous system controls involuntary bodily functions.

nervous

adj. worried and anxious about something; relating to the nerves

synonym : neural, anxious, uneasy

(1) development of the **nervous** system, (2) get **nervous**

He suffers from **nervous** breakdowns.

dilate

v. to make something wider, larger, or more open

synonym : widen, open, enlarge

(1) **dilate** the bronchial tubes, (2) **dilate** blood vessel

The pupils of the eyes **dilate** in low light.

contract

n. a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law

synonym : agreement, deal, arrangement

(1) employment **contract**, (2) **contract** law

The company signed a **contract** with the supplier for the delivery of goods.

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.

locate

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

synonym : discover, find, place

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

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

rev

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

synonym : revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

amalgam

n. an alloy of mercury with another metal, used especially to fill holes in teeth; a mixture or combination of diverse things

synonym : mixture, alloy, admixture

(1) **amalgam** alloy, (2) an **amalgam** of hope and fear

His theory is an **amalgam** of earlier ideas.

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**.

microphone

n. a device that converts sound into an electrical signal used for recording sounds or making the voice louder

synonym : mic, megaphone, amplifier

(1) **microphone** cable, (2) built-in **microphone**

The interviewer asked him to speak into the **microphone**.

radiate

v. to spread out or emit something, such as light or heat, in all directions

synonym : give off, scatter, beam

(1) **radiate** an aura, (2) **radiate** in all directions

Roads **radiate** from the famous building in the center of the city.

temperature

n. the degree of hotness or coldness of a thing or place

synonym : climate, warmth, degree

(1) extreme **temperatures**, (2) the atmospheric **temperature**

Cities around the world set records for highest **temperatures** this summer.

physiology

n. the branch of the biological sciences dealing with the functioning of organisms

(1) human **physiology**, (2) **physiology** research

Physiology is the science of how living things work.

infrared

adj. relating to or denoting electromagnetic radiation with a wavelength just longer than that of red light but shorter than that of microwave radiation, used for sensing heat and for remote control

synonym : thermal, warm, radiant

(1) an **infrared** lamp, (2) **infrared** radiation

The **infrared** camera revealed a hidden image on the surface.

thermal

adj. relating to heat or temperature; designed for or capable of producing or maintaining heat

synonym: heat-related, warm, hot

(1) **thermal** insulation, (2) **thermal** energy

The **thermal** imaging camera was used to detect heat signatures in the dark.

dynamic

adj. having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

synonym: energetic, active, vital

(1) a **dynamic** market, (2) **dynamic** person

The sprinter has a **dynamic** way of running.

engage

v. to attract and keep someone's attention and interest; to participate in or obtain services of something

synonym: confront, employ, amuse

(1) **engage** in environmental protection activities,

(2) **engage** a new employee

Many multinational companies are **engaged** in the reconstruction of that country.

conversation

n. an informal talk between two or more people to exchange their views, ideas, information, etc.

synonym: chat, discussion, dialogue

(1) **conversation** in English, (2) a friendly **conversation**

Your **conversation** reflects your thoughts.

cheek

n. either side of the face below the eye and between the nose and the jaw

synonym: jaw, mandible, malar

(1) **cheek** bone, (2) hollowed-out **cheek**

He gently touched her apple-red **cheek** and whispered that he loved her.

flame

n. a bright, visible light and heat source caused by combustion; a strong, intense feeling typically associated with passion, aggression, or anger

synonym: blaze, inferno, fire

(1) **flame** of passion, (2) simmering **flame**

The **flame** of the candle flickered in the darkness of the room.

dimension

n. a measurable extent of a particular kind, such as width, height, or length

synonym: extent, measurement, size

(1) new **dimension**, (2) the crosswise **dimension**

Overall **dimensions** are approximately 400x200mm.

glow

v. to give out a steady, strong light

synonym: shine, radiate, beam

(1) **glow** a pale orange, (2) **glow** gold in the light

The sun was setting, and the sky **glowed** with beautiful colors.

interpersonal

adj. connected with relationships between people

synonym: social

(1) communication and **interpersonal** skills,

(2) **interpersonal** situations

Interpersonal rejection and acceptance are both psychologically significant events.

honesty

n. the quality of being truthful, sincere, and morally upright; adherence to moral and ethical principles

synonym: sincerity, integrity, truthfulness

(1) **honesty** policy, (2) **honesty** box

A culture of **honesty** in the workplace leads to better communication and productivity.

attraction

n. a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity

synonym: allure, appeal, interest

(1) the big **attraction** of the event, (2) popular tourist **attraction**

She felt an instant **attraction** toward him.

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.

insight

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

synonym: wisdom, discernment, understanding

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

We gained various **insights** by analyzing the vast amount of data owned by the company.

prediction

n. the act of predicting the future by reasoning; a statement made about the future

synonym: forecast, anticipation, foretelling

(1) make my **predictions**, (2) gloomy **predictions**

These results muddied the **prediction**.

analyze

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

synonym: explore, examine, investigate

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

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

dynamics

n. the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change

synonym: mechanics, kinetics, kinematics

(1) **dynamics** of group, (2) **dynamics** of economy

The relationship **dynamics** between the two countries were complex and constantly changing.

statistics

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

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

likelihood

n. the probability or chance that something will happen or be the case

synonym: probability, chance, possibility

(1) **likelihood** of the success, (2) improve the **likelihood** of a cure

The **likelihood** of the project being completed on time is uncertain.

psychosis

n. a serious mental disorder characterized by a disconnection from reality, often including hallucinations, delusions, and a lack of insight into one's condition

synonym: madness, delusion, insanity

(1) **psychosis** treatment, (2) drug-induced **psychosis**

He was diagnosed with **psychosis** and was hospitalized for treatment.

linguistic

adj. relating to language or the study of language

synonym: lingual, verbal, lexical

(1) her major is **linguistics**, (2) **linguistic** analysis

Our naive experience undoubtedly contains a **linguistic** aspect.

dementia

n. a severe decline in cognitive function, especially memory, as a result of disease or injury

synonym: cognitive decline, memory loss, Alzheimer's disease

(1) **dementia** patients, (2) probably have **dementia**

The study found that regular exercise can help to prevent the onset of **dementia** in older age.

diabetes

n. a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood

(1) juvenile **diabetes**, (2) **diabetes** patient

My father was tested for **diabetes**.

spectral

adj. relating to or having the properties of a spectrum (= an ordered array of colors into which a light beam can be split); relating to a ghost or apparition

synonym: spiritual, ghostly, otherworldly

(1) two **spectral** bands, (2) **spectral** colors

The **spectral** analysis revealed unexpected details about the composition of the planet's atmosphere.

associate

v. to mentally connect someone or something with someone or something else

synonym: tie in, link, consociate

(1) **associate** alcohol with gambling, (2) **associate** with people widely

The majority of consumers **associate** this brand with quality.

Alzheimer

n. a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults

synonym: dementia, memory loss, cognitive decline

(1) **Alzheimer's** brain, (2) **Alzheimer's** risk factors

My grandmother has **Alzheimer's** disease requires special

care and attention from her caregivers.

clinical

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

synonym: dispassionate, analytic, scientific

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

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

diagnose

v. to determine or distinguish the nature of a problem or an illness through a careful analysis

synonym: identify, analyze, interpret

(1) **diagnose** the problem, (2) **diagnose** with CT scans

This device is used to **diagnose** brain cancer and other tumors.

device

n. a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

synonym: gadget, instrument, tool

(1) electronic **device**, (2) tracking **device**

I always carry a backup **device** in case my phone runs out of battery.

invaluable

adj. extremely useful, important, or valuable; describing something that cannot be measured in terms of monetary or material worth

synonym: priceless, inestimable, precious

(1) **invaluable** support, (2) **invaluable** resource

The advice given by my mentor was **invaluable** in my career.

chemical

adj. relating to or connected with chemistry;

synonym: chemic, synthetic

(1) toxic **chemicals**, (2) a **chemical** compound

The firm has grown into a large **chemical** manufacturing.

composition

n. the different parts of something's elements or ingredients; the way in which the different components

are organized; a piece of music written by someone
synonym : creating, formatting, arrangement

(1) age **composition** of the population, (2) the piano passages in the **composition**

Their innovative concepts were consistent across their bodies of **composition**.

breath

n. the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs

synonym : air, puff, whiff

(1) hold your **breath**, (2) **breath** of wind

He bated his **breath** when talking about this affair.

mixture

n. a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties

synonym : blend, amalgam, concoction

(1) **mixture** of emotions, (2) perfect **mixture**

The paint was a **mixture** of different pigments to achieve the desired color.

acetone

n. a colorless, volatile liquid that is commonly used as a solvent, especially in nail polish removers and paint thinners, often used in the production of plastics, fibers, and other chemicals

synonym : solvent, thinner, dissolver

(1) strong **acetone**, (2) removing paint with **acetone**

She used **acetone** nail polish remover to take off the stubborn glitter polish.

carbon

n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

(1) **carbon** dioxide, (2) **carbon** emission

Trees absorb **carbon** dioxide and give off oxygen.

- oxide** *n.* a chemical compound that contains at least one oxygen atom and one other element
(1) silver **oxide**, (2) combined **oxide**
The blood's red coloring comes from iron **oxide**.
- tense** *adj.* unable to relax because of being nervous or worried; stretched tight or rigid
synonym : tight, stretched, strained
(1) **tense** atmosphere, (2) have a **tense** face
This story makes me **tense**.
- obvious** *adj.* easy to see, discover or understand
synonym : apparent, conspicuous, evident
(1) **obvious** reasons, (2) his conclusion was **obvious**
There are **obvious** differences between the two wine-producing regions.
- clip** *n.* a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
synonym : buckle, hook, pin
(1) tie **clip**, (2) short video **clip**
He fastens some sheets of paper with a **clip**.
- eerie** *adj.* strange, or frightening; suggestive of the supernatural
synonym : bizarre, creepy, dreadful
(1) **eerie** silence, (2) the **eerie** whistle of dropping bombs
The street was entirely silent and a bit **eerie**.
- scream** *v.* to give a loud, high shout suddenly, especially because of fear, anger, excitement, etc.; to utter or declare in a very loud voice
synonym : cry, shout, yell
(1) **scream** a profanity, (2) **scream** at him to be quiet
She kept **screaming** for an ambulance.

reaction

n. a response that reveals a person's feelings or attitude;
(in chemistry) a process in which one or more
substances are changed into others

synonym : response, reply, answer

(1) chemical **reaction**, (2) trigger a **reaction**

There was a chemical **reaction** of the lime with the
groundwater.

exhale

v. to breathe out air or vapor from the lungs or mouth; to
release or emit something slowly or gently

synonym : breathe out, expel, emit

(1) **exhale** a big sigh, (2) **exhale** cigarette smoke

He took a deep breath and slowly began to **exhale**.

install

v. to fix furniture, a machine, or a piece of equipment into
position so that it can be used; put into an office or a
position

synonym : establish, inaugurate, lodge

(1) **install** a door, (2) **install** a chairperson

The new president was **installed** immediately after the
national election.

tube

n. a cylindrical container of metal, plastic, glass, etc.,
usually sealed and used as a means of preserving food
or chemicals; a hollow cylindrical shape

synonym : pipe, hose, duct

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

The **tube** train was packed with commuters during rush hour.

precision

n. the quality or condition of being exact and accurate

synonym : accuracy, exactness, rigor

(1) a **precision** instrument, (2) speak with **precision**

This operation requires both patience and **precision**.

continuous

adj. occurring or existing without a pause or interruption

synonym : ceaseless, regular, repeated

(1) **continuous** improvement, (2) a **continuous** row of

warehouses

The heavy snow has been **continuous** since last morning.

differential

n. an amount, value, or size of the difference between things that are compared; (adjective) relating to or showing a difference

synonym: contrasting, disparate, distinct

(1) **differential** wages, (2) **differential** equation

The two countries pledged to maintain the **differential** between their two currencies.

concentration

n. the ability to focus all your time and energy on one thing without thinking about anything else.

synonym: attention, engagement, assiduity

(1) **concentration** of armaments, (2) his research area of **concentration**

This exam requires excellent **concentration** to pass.

visualize

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

synonym: imagine, picture, envision

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

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

density

n. the quality of compactness of a substance

synonym: tightness, viscosity

(1) population **density**, (2) higher pixel **density**

Do you know the **density** of the population in Hong Kong?

patch

n. a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose

synonym: mend, repair, fix

(1) **patch** of grass, (2) software **patch**

I need to sew a **patch** onto my jeans that ripped.

suspense

n. a state of uncertain or anxious anticipation or waiting; a feeling of excitement or apprehension that arises from the uncertainty of an outcome

synonym: tension, anticipation, excitement

(1) **suspense** thriller, (2) **suspense-filled** movie

The mystery novel was full of **suspense**, keeping readers on the edge of their seats until the end.

intent

n. a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something

synonym: purpose, aim, goal

(1) the **intent** of a question, (2) **intent** gaze

The designer's **intent** was to create a minimalist aesthetic for the interior of the building.

emotional

adj. relating to people's feelings

synonym: affecting, impactful, impressive

(1) **emotional** health, (2) **emotional** distress

Human **emotional** responses vary widely depending on the society to which they belong.

reproducibility

n. the ability of an experiment, study, or result to be replicated or repeated by different researchers or laboratories, often seen as a key aspect of scientific rigor

synonym: repeatability, replicability, consistency

(1) **reproducibility** measure, (2) scientific **reproducibility**

The researchers spent considerable effort to ensure the **reproducibility** of their experiments.

visual

adj. relating to seeing or sight

synonym: optical, graphical, visible

(1) **visual** navigation, (2) field of **visual** arts

The building makes a remarkable **visual** impact.

identifiable

adj. capable of being recognized

synonym: traceable, detectable, attributable

(1) **identifiable** reason, (2) **identifiable** personal data

Our company has a strict policy regarding handling individually **identifiable** health information.

broadcast

v. to send out a program or some information on radio or television

synonym: air, announce, advertise

(1) **broadcast** a concert, (2) **broadcast** a radio ad

Most of the programs are **broadcast** in this area.

sentimental

adj. connected with or resulting from someone's emotions, rather than reason or realism

synonym: bathetic, drippy, maudlin

(1) in a **sentimental** mood, (2) **sentimental** damage

Stop being **sentimental** and always speak the truth.

fundamental

adj. forming an essential base or core from which everything else develops or is affected

synonym: basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights

Human behavior has **fundamental** characteristics.

empath

n. a person who can understand and share the feelings and experiences of others, often described as having a high degree of empathy

(1) **empath** skills, (2) **empath** in a corporate environment

Being an **empath** in a relationship requires the partner to understand the empath's unique emotional needs.

technological

adj. based on scientific and industrial progress

synonym: specialized, technical

(1) **technological** advancement, (2) **technological** policy

Technological advances have disrupted many industries.

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.

opportune

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

synonym: suitable, timely, practical

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

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

divide

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

synonym: separate, disconnect, split

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

Can you **divide** 123321 by eleven?

augment

v. to increase the size, extent, quantity, etc. of something by adding something to it

synonym: boost, increase, expand

(1) **augment** the reality, (2) **augment** immunity

Economic factors and monetary policy **augmented** inflation.

extend

v. to broaden in scope, range, or area

synonym: prolong, lengthen, advance

(1) **extend** the warranty, (2) **extend** a line

Her visit will **extend** from Monday to Friday.

counselor

n. a person trained to give advice and help people deal with personal or emotional problems

synonym: advisor, consultant, therapist

(1) **counselor** office, (2) admissions **counselor**

She is a school **counselor** dedicated to helping students navigate academic and personal challenges.

outward

adj. relating to the external appearance or surface of something; visible

synonym: external, surface, exterior

(1) an **outward** journey, (2) **outward** cheerfulness

The **outward** appearance of the building was impressive, but the inside was in dire need of repairs.

cheer

v. to give a loud shout to show support, praise, or approval

synonym: comfort, encourage, hearten

(1) **cheer** for the home team, (2) **cheer** me up

Supporters in the stands **cheered** at every goal.

crucial

adj. extremely vital or necessary

synonym: essential, pivotal, vital

(1) **crucial** information, (2) a **crucial** issue for women

The revitalization of technology companies is **crucial** to the country's growth.

crisis

n. a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken

synonym: concern, problem, emergency

(1) financial **crisis**, (2) **crisis** management

The Chinese word for **crisis** comprises two characters, one for danger and the other for opportunity.

aggression

n. the act of attacking or assaulting; hostile or violent behavior

synonym: hostility, assertiveness, antagonism

(1) **aggression** by a hostile country, (2) naked **aggression**

The dog's **aggression** made it difficult for its owners to take it for a walk.

accord

n. an official agreement or treaty between two organizations, countries, etc.; (verb) allow to have

synonym: alliance, pact, agreement

(1) **accord** with public opinion, (2) binational **accord**
The organization finally signed a peace **accord**.

define

v. to state or explain precisely the nature, scope, or meaning of something

synonym: characterize, depict, express

(1) **define** a word, (2) **define** my position

To advance this discussion, we must **define** "success" rigorously.

perspective

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

synonym: viewpoint, standpoint, outlook

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

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

regardless

adv. not paying attention or considering something or someone even if the situation is bad or there are difficulties

synonym: anyhow, nevertheless, still

(1) **regardless** of the difficulties, (2) **regardless** tread

People can pick out superior products **regardless** of the quality of the advertising.

authentic

adj. known to be real and what people say it is; not a fake or copy

synonym: genuine, bona fide, original

(1) an **authentic** signature, (2) the sets were meticulously **authentic**

The stages of the play were meticulously **authentic**

exchange

v. to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded

synonym : trade, swap, interchange

(1) **exchange** rate, (2) **exchange** a few friendly words
My sister and I frequently **exchange** books, as we love reading.

decision

n. the act or process of making up someone's mind about something; a choice or judgment reached after considering options

synonym : choice, determination, judgment

(1) **decision** authority, (2) a selfish **decision**
She was struggling to make a **decision** between two job offers.

rip

v. to tear something or be torn violently or suddenly

synonym : tear, cut, slit

(1) **rip** a notebook apart, (2) **rip** a hole in the roof
During transit, the stuff may **rip** off the luggage tag.

privacy

n. someone's right to keep their personal matters and relationships not watched or interrupted by other people

synonym : seclusion, aloneness, solitariness

(1) **privacy** abuse, (2) trespass on a person's **privacy**
This conduct would be an invasion of **privacy**.

entity

n. something that exists independently and has its own identity

synonym : body, object, existent

(1) legal **entity**, (2) government **entity**
A company is a distinct legal **entity**.

transparency

n. the condition or quality of being easy to see through

synonym : clearness, clarity, translucence

(1) lack of **transparency**, (2) **transparency** during the trials
The main discussion topic is government **transparency**.

engagement

n. a mutual promise to marry someone; an agreement to do something, especially at a particular time

synonym: betrothal, promise, commitment

(1) a prior **engagement**, (2) break off an **engagement**

They selected a gorgeous diamond **engagement** ring.

absolutely

adv. without restriction or limitation; completely or utterly

synonym: completely, utterly, definitely

(1) **absolutely** against, (2) **absolutely** obsessed with the girl

I am **absolutely** opposed to his idea because of morality.

empathy

n. the ability to share another person's feelings or experiences by imagining that person's situation

synonym: compassion, sympathy, tenderness

(1) full of **empathy**, (2) **empathy** for patients

Empathy is also necessary to understand history.

uncomfortable

adj. providing or feeling physical discomfort or slight pain

synonym: comfortless, discomforting, painful

(1) an **uncomfortable** silence, (2) with an **uncomfortable** face

His abusive words made me **uncomfortable**.

Session 2: Spelling

1. Al_____er's brain
n. a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
2. ee__e silence
adj. strange, or frightening; suggestive of the supernatural
3. inc_____ly cheerful character
adv. in a way that is very difficult to believe; exceedingly or extremely
4. drug-induced ps_____is
n. a serious mental disorder characterized by a disconnection from reality, often including hallucinations, delusions, and a lack of insight into one's condition
5. tie c__p
n. a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
6. defense me_____sm
n. a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
7. po__y seeds
n. a plant with large, showy flowers of various colors, including red, pink, yellow, and white, and a capsule containing small seeds, and some species of poppy are used to produce opium and its derivatives

ANSWERS: 1. Alzheimer, 2. eerie, 3. incredibly, 4. psychosis, 5. clip, 6. mechanism, 7. poppy

8. b_t cave *n.* a nocturnal animal with wings that flies and feeds at night, similar to a mouse; a piece of wood with a handle used for hitting the ball in sports including baseball, cricket, and table tennis
9. chemical re____on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
10. employment co____ct *n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
11. ho____y policy *n.* the quality of being truthful, sincere, and morally upright; adherence to moral and ethical principles
12. two sp____al bands *adj.* relating to or having the properties of a spectrum (= an ordered array of colors into which a light beam can be split); relating to a ghost or apparition
13. combined ox__e *n.* a chemical compound that contains at least one oxygen atom and one other element
14. di____es patient *n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood
15. sc___m a profanity *v.* to give a loud, high shout suddenly, especially because of fear, anger, excitement, etc.; to utter or declare in a very loud voice

ANSWERS: 8. bat, 9. reaction, 10. contract, 11. honesty, 12. spectral, 13. oxide, 14. diabetes, 15. scream

16. de____on authority *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
17. an up____t tone *adj.* frank and honest; (adverb) (of payment) in advance
18. agg_____on by a hostile country *n.* the act of attacking or assaulting; hostile or violent behavior
19. gloomy pre_____ons *n.* the act of predicting the future by reasoning; a statement made about the future
20. vi____n soloist *n.* a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings
21. get inc_____ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely
22. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
23. an unc_____ble silence *adj.* providing or feeling physical discomfort or slight pain
24. em_____al distress *adj.* relating to people's feelings
25. software pa__h *n.* a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose
26. det_____tic system *adj.* characterized by an assumption of cause and effect and the absence of chance or randomness, often used to describe scientific or engineering calculations

ANSWERS: 16. decision, 17. upfront, 18. aggression, 19. prediction, 20. violin, 21. incredibly, 22. brain, 23. uncomfortable, 24. emotional, 25. patch, 26. deterministic

27. strong ac____e *n.* a colorless, volatile liquid that is commonly used as a solvent, especially in nail polish removers and paint thinners, often used in the production of plastics, fibers, and other chemicals
28. age com_____on of the population *n.* the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone
29. ex_____al factors *adj.* belonging to or situated outside of someone or something
30. juvenile di_____es *n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood
31. am_____m alloy *n.* an alloy of mercury with another metal, used especially to fill holes in teeth; a mixture or combination of diverse things
32. de___e my position *v.* to state or explain precisely the nature, scope, or meaning of something
33. exp_____on of interest *n.* the act of conveying thoughts, feelings, or ideas using words, facial expressions, body language, or art; a look or gesture that conveys a particular emotion or mood
34. sen_____al damage *adj.* connected with or resulting from someone's emotions, rather than reason or realism
35. legal en___y *n.* something that exists independently and has its own identity

ANSWERS: 27. acetone, 28. composition, 29. external, 30. diabetes, 31. amalgam, 32. define, 33. expression, 34. sentimental, 35. entity

36. ho____y box *n.* the quality of being truthful, sincere, and morally upright; adherence to moral and ethical principles
37. riverside bl__f *v.* to try to deceive someone into believing that you can or are going to do something, or that you have knowledge or abilities; (noun) a high steep bank, usually formed by river erosion
38. reg_____ss of the difficulties *adv.* not paying attention or considering something or someone even if the situation is bad or there are difficulties
39. a low-pi__hed sound *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
40. binational ac____d *n.* an official agreement or treaty between two organizations, countries, etc.; (verb) allow to have
41. 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
42. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
43. ide_____ble reason *adj.* capable of being recognized
44. artistic exp_____on *n.* the act of conveying thoughts, feelings, or ideas using words, facial expressions, body language, or art; a look or gesture that conveys a particular emotion or mood

ANSWERS: 36. honesty, 37. bluff, 38. regardless, 39. pitch, 40. accord, 41. develop, 42. temperature, 43. identifiable, 44. expression

45. a friendly con_____ion *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
46. lo___e a missing pet *v.* to specify or determine the exact position of someone or something
47. with an unc_____ble face *adj.* providing or feeling physical discomfort or slight pain
48. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
49. in___t gaze *n.* a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something
50. in_____re attachment *adj.* not firm or firmly fixed; likely to fail or give way, or not assured of safety
51. built-in mic_____ne *n.* a device that converts sound into an electrical signal used for recording sounds or making the voice louder
52. the sets were meticulously
au_____ic *adj.* known to be real and what people say it is; not a fake or copy
53. the ee___e whistle of dropping
bombs *adj.* strange, or frightening; suggestive of the supernatural
54. afraid to show em_____n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
55. a dy_____c market *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

ANSWERS: 45. conversation, 46. locate, 47. uncomfortable, 48. temperature, 49. intent, 50. insecure, 51. microphone, 52. authentic, 53. eerie, 54. emotion, 55. dynamic

56. an am_____m of hope and fear *n.* an alloy of mercury with another metal, used especially to fill holes in teeth; a mixture or combination of diverse things
57. break off an eng_____nt *n.* a mutual promise to marry someone; an agreement to do something, especially at a particular time
58. 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
59. su_____se-filled movie *n.* a state of uncertain or anxious anticipation or waiting; a feeling of excitement or apprehension that arises from the uncertainty of an outcome
60. sc_____m at him to be quiet *v.* to give a loud, high shout suddenly, especially because of fear, anger, excitement, etc.; to utter or declare in a very loud voice
61. a selfish de_____on *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
62. financial cr_____s *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
63. dy_____cs of economy *n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change

ANSWERS: 56. amalgam, 57. engagement, 58. develop, 59. suspense, 60. scream, 61. decision, 62. crisis, 63. dynamics

64. a wide sl___e *n.* a part of a garment that covers all or part of an arm
65. as_____te with people widely *v.* to mentally connect someone or something with someone or something else
66. lik_____od of the success *n.* the probability or chance that something will happen or be the case
67. admissions co_____or *n.* a person trained to give advice and help people deal with personal or emotional problems
68. tec_____cal policy *adj.* based on scientific and industrial progress
69. play the vi___n *n.* a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings
70. full of em_____y *n.* the ability to share another person's feelings or experiences by imagining that person's situation
71. naked agg_____on *n.* the act of attacking or assaulting; hostile or violent behavior
72. a natural ha_____ic quality *adj.* relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.
73. si___e off the hair over the flames *v.* to burn something slightly or superficially, usually by mistake
74. ch___r for the home team *v.* to give a loud shout to show support, praise, or approval

ANSWERS: 64. sleeve, 65. associate, 66. likelihood, 67. counselor, 68. technological, 69. violin, 70. empathy, 71. aggression, 72. harmonic, 73. singe, 74. cheer

75. vi_____ze data *v.* to form a mental image or concept of something; to make something visible
76. ex___e a big sigh *v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
77. simmering fl___e *n.* a bright, visible light and heat source caused by combustion; a strong, intense feeling typically associated with passion, aggression, or anger
78. p___e around the desk *v.* to push or prod with a sharp object or the finger
79. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
80. the me_____sm for DNA replication *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
81. scientific rep_____ity *n.* the ability of an experiment, study, or result to be replicated or repeated by different researchers or laboratories, often seen as a key aspect of scientific rigor
82. the branch of neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
83. higher pixel de_____y *n.* the quality of compactness of a substance
84. was tr_____ted by war *v.* to cause someone to undergo severe hardship or distress; to afflict; to troubles; to suffer

ANSWERS: 75. visualize, 76. exhale, 77. flame, 78. poke, 79. fundamental, 80. mechanism, 81. reproducibility, 82. neuroscience, 83. density, 84. tribulate

85. ov____p one another *v.* to partially cover something by going beyond its edge
86. b_t an eye *n.* a nocturnal animal with wings that flies and feeds at night, similar to a mouse; a piece of wood with a handle used for hitting the ball in sports including baseball, cricket, and table tennis
87. a pr_____on instrument *n.* the quality or condition of being exact and accurate
88. au_____t immunity *v.* to increase the size, extent, quantity, etc. of something by adding something to it
89. br___h of wind *n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
90. not nec_____ly a problem *adv.* in an essential manner; in such a way as could not be otherwise
91. fl__e of passion *n.* a bright, visible light and heat source caused by combustion; a strong, intense feeling typically associated with passion, aggression, or anger
92. lack of tra_____ncy *n.* the condition or quality of being easy to see through
93. trigger a re_____on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
94. cr___s management *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken

ANSWERS: 85. overlap, 86. bat, 87. precision, 88. augment, 89. breath, 90. necessarily, 91. flame, 92. transparency, 93. reaction, 94. crisis

95. r_v up the crowd *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
96. co_____or office *n.* a person trained to give advice and help people deal with personal or emotional problems
97. em___h in a corporate environment *n.* a person who can understand and share the feelings and experiences of others, often described as having a high degree of empathy
98. sp_____l distribution *adj.* of or relating space and the position, area, and size of things
99. silver ox___e *n.* a chemical compound that contains at least one oxygen atom and one other element
100. share my in_____ts *n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
101. br_____st a concert *v.* to send out a program or some information on radio or television
102. sl___t increase *adj.* very small in degree or amount
103. an ou_____d journey *adj.* relating to the external appearance or surface of something; visible
104. a theoretical concept in
neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system

ANSWERS: 95. rev, 96. counselor, 97. empath, 98. spatial, 99. oxide, 100. insight, 101. broadcast, 102. slight, 103. outward, 104. neuroscience

105. con_____ion of armaments *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
106. dif_____ial equation *n.* an amount, value, or size of the difference between things that are compared; (adjective) relating to or showing a difference
107. inv_____le resource *adj.* extremely useful, important, or valuable; describing something that cannot be measured in terms of monetary or material worth
108. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
109. new di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
110. a profound in_____t *n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
111. sp_____al colors *adj.* relating to or having the properties of a spectrum (= an ordered array of colors into which a light beam can be split); relating to a ghost or apparition
112. ps_____is treatment *n.* a serious mental disorder characterized by a disconnection from reality, often including hallucinations, delusions, and a lack of insight into one's condition
113. pay up_____t *adj.* frank and honest; (adverb) (of payment) in advance

ANSWERS: 105. concentration, 106. differential, 107. invaluable, 108. lab, 109. dimension, 110. insight, 111. spectral, 112. psychosis, 113. upfront

114. th____l insulation *adj.* relating to heat or temperature; designed for or capable of producing or maintaining heat
115. de___t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
116. tr_____te villagers *v.* to cause someone to undergo severe hardship or distress; to afflict; to troubles; to suffer
117. po__y tea *n.* a plant with large, showy flowers of various colors, including red, pink, yellow, and white, and a capsule containing small seeds, and some species of poppy are used to produce opium and its derivatives
118. em_____al health *adj.* relating to people's feelings
119. ex_____ge a few friendly words *v.* to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded
120. ac___d with public opinion *n.* an official agreement or treaty between two organizations, countries, etc.; (verb) allow to have
121. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire

ANSWERS: 114. thermal, 115. detect, 116. tribulate, 117. poppy, 118. emotional, 119. exchange, 120. accord, 121. amazing

122. bl__f the other side *v.* to try to deceive someone into believing that you can or are going to do something, or that you have knowledge or abilities; (noun) a high steep bank, usually formed by river erosion
123. ex___d the warranty *v.* to broaden in scope, range, or area
124. em____y for patients *n.* the ability to share another person's feelings or experiences by imagining that person's situation
125. severe cr___c *n.* someone who expresses opinions about the quality of books, music, etc.
126. vi___l navigation *adj.* relating to seeing or sight
127. lo___e a tumor *v.* to specify or determine the exact position of someone or something
128. di___e blood vessel *v.* to make something wider, larger, or more open
129. real estate ag___y *n.* an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action
130. his research area of
con_____ion *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
131. tra_____ncy during the trials *n.* the condition or quality of being easy to see through

ANSWERS: 122. bluff, 123. extend, 124. empathy, 125. critic, 126. visual, 127. locate, 128. dilate, 129. agency, 130. concentration, 131. transparency

132. his conclusion was ob____s *adj.* easy to see, discover or understand
133. make my pre____ons *n.* the act of predicting the future by reasoning; a statement made about the future
134. mic____ne cable *n.* a device that converts sound into an electrical signal used for recording sounds or making the voice louder
135. ca____n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
136. hold your br____h *n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
137. low-r_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
138. participate in cl____al trials *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
139. te__e atmosphere *adj.* unable to relax because of being nervous or worried; stretched tight or rigid
140. removing paint with ac____e *n.* a colorless, volatile liquid that is commonly used as a solvent, especially in nail polish removers and paint thinners, often used in the production of plastics, fibers, and other chemicals

ANSWERS: 132. obvious, 133. prediction, 134. microphone, 135. carbon, 136. breath, 137. rev, 138. clinical, 139. tense, 140. acetone

141. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
142. number of b_g fixes *n.* any tiny insect; a fault or defect in a computer program, system, or machine
143. probably have de_____ia *n.* a severe decline in cognitive function, especially memory, as a result of disease or injury
144. keen per_____on *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
145. ecology and evo_____ary biology *adj.* relating to or denoting how living things develop or change from earlier forms
146. de___t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
147. electronic de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
148. make a pi__h for a new product *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
149. a particle di_____er *n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference

ANSWERS: 141. interaction, 142. bug, 143. dementia, 144. perception, 145. evolutionary, 146. detect, 147. device, 148. pitch, 149. diameter

150. the crosswise di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
151. her major is lin_____ics *adj.* relating to language or the study of language
152. ex___d a line *v.* to broaden in scope, range, or area
153. fa___l expressions *adj.* of or relating to a person's face
154. sp_____l ability *adj.* of or relating space and the position, area, and size of things
155. su_____se thriller *n.* a state of uncertain or anxious anticipation or waiting; a feeling of excitement or apprehension that arises from the uncertainty of an outcome
156. em___h skills *n.* a person who can understand and share the feelings and experiences of others, often described as having a high degree of empathy
157. en___e a new employee *v.* to attract and keep someone's attention and interest; to participate in or obtain services of something
158. ca___n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
159. r_p a hole in the roof *v.* to tear something or be torn violently or suddenly
160. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
161. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them

ANSWERS: 150. dimension, 151. linguistic, 152. extend, 153. facial, 154. spatial, 155. suspense, 156. empath, 157. engage, 158. carbon, 159. rip, 160. lab, 161. interaction

162. deeply re____te with the consumers *v.* to be filled with a deep echoing sound
163. ou____d cheerfulness *adj.* relating to the external appearance or surface of something; visible
164. en____e in environmental protection activities *v.* to attract and keep someone's attention and interest; to participate in or obtain services of something
165. intelligence ag____y *n.* an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action
166. an int____nt person *adj.* having the capacity for thought and reason, especially to a high degree
167. a glass t__e *n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
168. ha____ic oscillator *adj.* relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.
169. di____e the bronchial tubes *v.* to make something wider, larger, or more open
170. dif____ial wages *n.* an amount, value, or size of the difference between things that are compared; (adjective) relating to or showing a difference

ANSWERS: 162. resonate, 163. outward, 164. engage, 165. agency, 166. intelligent, 167. tube, 168. harmonic, 169. dilate, 170. differential

171. pr_____ry warfare *adj.* living by eating other animals, especially by catching prey that is still alive
172. the in____t of a question *n.* a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something
173. ex____e cigarette smoke *v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
174. re_____te a single country *v.* to make something that existed previously happen or appear to exist again
175. Al_____er's risk factors *n.* a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
176. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
177. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
178. phy_____gy research *n.* the branch of the biological sciences dealing with the functioning of organisms
179. int_____nal situations *adj.* connected with relationships between people
180. the big att_____on of the event *n.* a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity

ANSWERS: 171. predatory, 172. intent, 173. exhale, 174. recreate, 175. Alzheimer, 176. environment, 177. amazing, 178. physiology, 179. interpersonal, 180. attraction

181. p__e a fire *v.* to push or prod with a sharp object or the finger
182. g__w a pale orange *v.* to give out a steady, strong light
183. a con_____us row of warehouses *adj.* occurring or existing without a pause or interruption
184. art cr___c *n.* someone who expresses opinions about the quality of books, music, etc.
185. au_____ic response *n.* relating to the part of the nervous system that controls involuntary bodily functions, such as heartbeat, digestion, breathing, and glandular secretion
186. sta_____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
187. dy_____c person *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
188. the per_____ve of the battle *n.* a confident attitude toward something; a particular style of thinking about something
189. rep_____ity measure *n.* the ability of an experiment, study, or result to be replicated or repeated by different researchers or laboratories, often seen as a key aspect of scientific rigor
190. pr_____t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience

ANSWERS: 181. poke, 182. glow, 183. continuous, 184. critic, 185. autonomic, 186. statistics, 187. dynamic, 188. perspective, 189. reproducibility, 190. predict

191. g__w gold in the light *v.* to give out a steady, strong light
192. toxic ch____als *adj.* relating to or connected with chemistry;
193. in a sen_____al mood *adj.* connected with or resulting from someone's emotions, rather than reason or realism
194. di_____se with CT scans *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
195. co_____ct law *n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
196. the evo_____ary process *adj.* relating to or denoting how living things develop or change from earlier forms
197. speak with pr_____on *n.* the quality or condition of being exact and accurate
198. au_____ic imbalance *n.* relating to the part of the nervous system that controls involuntary bodily functions, such as heartbeat, digestion, breathing, and glandular secretion
199. as_____te alcohol with gambling *v.* to mentally connect someone or something with someone or something else
200. improve the lik_____od of a cure *n.* the probability or chance that something will happen or be the case
201. a pr_____ry bird *adj.* living by eating other animals, especially by catching prey that is still alive

ANSWERS: 191. glow, 192. chemical, 193. sentimental, 194. diagnose, 195. contract, 196. evolutionary, 197. precision, 198. autonomic, 199. associate, 200. likelihood, 201. predatory

202. short video c__p	<i>n.</i> a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
203. sc__e the birds away	<i>v.</i> to frighten a person or animal, or to become frightened
204. in____al organs	<i>adj.</i> of or relating to the inside of something
205. si__e the edges of a fabric	<i>v.</i> to burn something slightly or superficially, usually by mistake
206. re____te in the same frequency	<i>v.</i> to be filled with a deep echoing sound
207. re_____ze talent	<i>v.</i> to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
208. in____l a door	<i>v.</i> to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
209. human phy_____gy	<i>n.</i> the branch of the biological sciences dealing with the functioning of organisms
210. tec_____cal advancement	<i>adj.</i> based on scientific and industrial progress
211. improve co_____ve function	<i>adj.</i> of or relating to mental processes of understanding
212. get ne____s	<i>adj.</i> worried and anxious about something; relating to the nerves
213. a per_____ve view	<i>n.</i> a confident attitude toward something; a particular style of thinking about something

ANSWERS: 202. clip, 203. scare, 204. internal, 205. singe, 206. resonate, 207. recognize, 208. install, 209. physiology, 210. technological, 211. cognitive, 212. nervous, 213. perspective

214. th____l energy *adj.* relating to heat or temperature; designed for or capable of producing or maintaining heat
215. official sta_____cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
216. dy_____cs of group *n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
217. ch__r me up *v.* to give a loud shout to show support, praise, or approval
218. ov_____p in many areas *v.* to partially cover something by going beyond its edge
219. reg_____ss tread *adv.* not paying attention or considering something or someone even if the situation is bad or there are difficulties
220. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
221. sp___r venom *n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing
222. f__e police officer *adj.* not genuine; fraudulent or counterfeit
223. pr_____t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience

ANSWERS: 214. thermal, 215. statistics, 216. dynamics, 217. cheer, 218. overlap, 219. regardless, 220. opportune, 221. spider, 222. fake, 223. predict

224. ra_____e in all directions *v.* to spread out or emit something, such as light or heat, in all directions
225. the piano passages in the com_____on *n.* the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone
226. research on co_____ve psychology *adj.* of or relating to mental processes of understanding
227. 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
228. int_____nt assisting system *adj.* having the capacity for thought and reason, especially to a high degree
229. di_____se the problem *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
230. di___e the cake into two pieces *v.* to separate or cause to separate into parts or groups
231. con_____us improvement *adj.* occurring or existing without a pause or interruption
232. di___e money equally *v.* to separate or cause to separate into parts or groups
233. ob_____s reasons *adj.* easy to see, discover or understand
234. trespass on a person's pr_____y *n.* someone's right to keep their personal matters and relationships not watched or interrupted by other people

ANSWERS: 224. radiate, 225. composition, 226. cognitive, 227. recognize, 228. intelligent, 229. diagnose, 230. divide, 231. continuous, 232. divide, 233. obvious, 234. privacy

235. vi_____ze flying through space *v.* to form a mental image or concept of something; to make something visible
236. r_p a notebook apart *v.* to tear something or be torn violently or suddenly
237. cr_____l information *adj.* extremely vital or necessary
238. per_____on of a stimulus *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
239. ex_____al commerce *adj.* belonging to or situated outside of someone or something
240. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
241. inv_____le support *adj.* extremely useful, important, or valuable; describing something that cannot be measured in terms of monetary or material worth
242. con_____ion in English *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
243. ch__k bone *n.* either side of the face below the eye and between the nose and the jaw
244. an_____e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
245. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly

ANSWERS: 235. visualize, 236. rip, 237. crucial, 238. perception, 239. external, 240. brain, 241. invaluable, 242. conversation, 243. cheek, 244. analyze, 245. absolutely

246. cl____al surgery *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
247. ci____t breaker *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
248. a ch____al compound *adj.* relating to or connected with chemistry;
249. b_g bites *n.* any tiny insect; a fault or defect in a computer program, system, or machine
250. federal ci____t courts *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
251. web sp____r *n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing
252. abs____ly against *adv.* without restriction or limitation; completely or utterly
253. di____er of an oval *n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
254. cell and molecular bi____y *n.* the scientific study of life and the natural processes of living things
255. br____st a radio ad *v.* to send out a program or some information on radio or television

ANSWERS: 246. clinical, 247. circuit, 248. chemical, 249. bug, 250. circuit, 251. spider, 252. absolutely, 253. diameter, 254. biology, 255. broadcast

256. det_____tic approach *adj.* characterized by an assumption of cause and effect and the absence of chance or randomness, often used to describe scientific or engineering calculations
257. attentive pu__l *n.* the black circular opening in the center of the iris of the eye, through which light enters the eye; a student in school or university
258. an_____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning
259. spread of f__e news *adj.* not genuine; fraudulent or counterfeit
260. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
261. ultrasound for ech_____ion *n.* the use of reflected sound waves to locate objects, particularly by dolphins and bats.
262. ide_____ble personal data *adj.* capable of being recognized
263. tracking de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
264. pu__l constriction *n.* the black circular opening in the center of the iris of the eye, through which light enters the eye; a student in school or university
265. ex_____ge rate *v.* to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded

ANSWERS: 256. deterministic, 257. pupil, 258. analyze, 259. fake, 260. biology, 261. echolocation, 262. identifiable, 263. device, 264. pupil, 265. exchange

266. an au_____ic signature *adj.* known to be real and what people say it is; not a fake or copy
267. in_____ed radiation *adj.* relating to or denoting electromagnetic radiation with a wavelength just longer than that of red light but shorter than that of microwave radiation, used for sensing heat and for remote control
268. a cr_____l issue for women *adj.* extremely vital or necessary
269. de_____ia patients *n.* a severe decline in cognitive function, especially memory, as a result of disease or injury
270. field of vi_____l arts *adj.* relating to seeing or sight
271. au_____t the reality *v.* to increase the size, extent, quantity, etc. of something by adding something to it
272. re_____te the feeling of the 1920s *v.* to make something that existed previously happen or appear to exist again
273. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
274. en_____ly satisfied with the meal *adv.* completely
275. a prior eng_____nt *n.* a mutual promise to marry someone; an agreement to do something, especially at a particular time
276. perfect mi_____e *n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties

ANSWERS: 266. authentic, 267. infrared, 268. crucial, 269. dementia, 270. visual, 271. augment, 272. recreate, 273. fundamental, 274. entirely, 275. engagement, 276. mixture

277. chaotic env_____nt	<i>n.</i> the natural world such as air, water, and land in which humans, animals, and plants live
278. control my em_____n	<i>n.</i> a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
279. ra_____e an aura	<i>v.</i> to spread out or emit something, such as light or heat, in all directions
280. he was en_____ly to blame	<i>adv.</i> completely
281. feel a sl____t concern	<i>adj.</i> very small in degree or amount
282. mi_____e of emotions	<i>n.</i> a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties
283. in_____l a chairperson	<i>v.</i> to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
284. development of the ne_____s system	<i>adj.</i> worried and anxious about something; relating to the nerves
285. an op_____ne remark	<i>adj.</i> suitable or happening at a time that is suitable or convenient for a particular purpose
286. pr_____y abuse	<i>n.</i> someone's right to keep their personal matters and relationships not watched or interrupted by other people
287. communication and int_____nal skills	<i>adj.</i> connected with relationships between people

ANSWERS: 277. environment, 278. emotion, 279. radiate, 280. entirely, 281. slight, 282. mixture, 283. install, 284. nervous, 285. opportune, 286. privacy, 287. interpersonal

288. population de_____y *n.* the quality of compactness of a substance
289. pa__h of grass *n.* a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose
290. a capillary t__e *n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
291. lin_____ic analysis *adj.* relating to language or the study of language
292. sl___e length *n.* a part of a garment that covers all or part of an arm
293. hollowed-out ch__k *n.* either side of the face below the eye and between the nose and the jaw
294. government en_____y *n.* something that exists independently and has its own identity
295. nec_____ly true *adv.* in an essential manner; in such a way as could not be otherwise
296. the in_____al economy *adj.* of or relating to the inside of something
297. an in_____ed lamp *adj.* relating to or denoting electromagnetic radiation with a wavelength just longer than that of red light but shorter than that of microwave radiation, used for sensing heat and for remote control
298. de___e a word *v.* to state or explain precisely the nature, scope, or meaning of something

ANSWERS: 288. density, 289. patch, 290. tube, 291. linguistic, 292. sleeve, 293. cheek, 294. entity, 295. necessarily, 296. internal, 297. infrared, 298. define

299. fa___l nerve *adj.* of or relating to a person's face
300. an in_____re future *adj.* not firm or firmly fixed; likely to fail or give way, or not assured of safety
301. bat ech_____ion *n.* the use of reflected sound waves to locate objects, particularly by dolphins and bats.
302. sc__e off her attacker by screaming *v.* to frighten a person or animal, or to become frightened
303. have a te__e face *adj.* unable to relax because of being nervous or worried; stretched tight or rigid
304. popular tourist att_____on *n.* a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity

ANSWERS: 299. facial, 300. insecure, 301. echolocation, 302. scare, 303. tense, 304. attraction

Session 3: Fill in the Blanks

1. We gained various _____ by analyzing the vast amount of data owned by the company.
 - n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
2. This operation requires both patience and _____.
 - n.* the quality or condition of being exact and accurate
3. He is a man admired for the depth of his _____.
 - n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
4. The _____ appearance of the building was impressive, but the inside was in dire need of repairs.
 - adj.* relating to the external appearance or surface of something; visible
5. Stop being _____ and always speak the truth.
 - adj.* connected with or resulting from someone's emotions, rather than reason or realism
6. The pupils of the eyes _____ in low light.
 - v.* to make something wider, larger, or more open
7. This conduct would be an invasion of _____.
 - n.* someone's right to keep their personal matters and relationships not watched or interrupted by other people

ANSWERS: 1. insights, 2. precision, 3. perception, 4. outward, 5. sentimental, 6. dilate, 7. privacy

8. The _____ demonstrate that poverty and unemployment are genuine problems.
- n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
9. She had to _____ through many difficulties to achieve her goal.
- v.* to cause someone to undergo severe hardship or distress; to afflict; to troubles; to suffer
10. The _____ camera revealed a hidden image on the surface.
- adj.* relating to or denoting electromagnetic radiation with a wavelength just longer than that of red light but shorter than that of microwave radiation, used for sensing heat and for remote control
11. The _____ train was packed with commuters during rush hour.
- n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
12. The cello is a member of the _____ family.
- n.* a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings
13. A company is a distinct legal _____.
- n.* something that exists independently and has its own identity
14. The _____ nervous system controls involuntary bodily functions.
- n.* relating to the part of the nervous system that controls involuntary bodily functions, such as heartbeat, digestion, breathing, and glandular secretion
15. 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

ANSWERS: 8. statistics, 9. tribulate, 10. infrared, 11. tube, 12. violin, 13. entity, 14. autonomic, 15. brain

16. She felt an instant _____ toward him.
- n.* a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity
17. The robot can accurately _____ construction material.
- v.* to specify or determine the exact position of someone or something
18. Many multinational companies are _____ in the reconstruction of that country.
- v.* to attract and keep someone's attention and interest; to participate in or obtain services of something
19. Their innovative concepts were consistent across their bodies of _____.
- n.* the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone
20. Roads _____ from the famous building in the center of the city.
- v.* to spread out or emit something, such as light or heat, in all directions
21. He stepped on the gas pedal, and the engine released a loud ____.
- n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
22. The _____ of the candle flickered in the darkness of the room.
- n.* a bright, visible light and heat source caused by combustion; a strong, intense feeling typically associated with passion, aggression, or anger
23. People can pick out superior products _____ of the quality of the advertising.
- adv.* not paying attention or considering something or someone even if the situation is bad or there are difficulties

ANSWERS: 16. attraction, 17. locate, 18. engaged, 19. composition, 20. radiate, 21. rev, 22. flame, 23. regardless

24. The mystery novel was full of _____ keeping readers on the edge of their seats until the end.
- n.* a state of uncertain or anxious anticipation or waiting; a feeling of excitement or apprehension that arises from the uncertainty of an outcome
25. The organization finally signed a peace _____.
- n.* an official agreement or treaty between two organizations, countries, etc.;
(verb) allow to have
26. The firm has grown into a large _____ manufacturing.
- adj.* relating to or connected with chemistry;
27. The phone rang at the most _____ time.
- adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
28. The blood's red coloring comes from iron _____.
- n.* a chemical compound that contains at least one oxygen atom and one other element
29. His abusive words made me _____.
- adj.* providing or feeling physical discomfort or slight pain
30. _____ is also necessary to understand history.
- n.* the ability to share another person's feelings or experiences by imagining that person's situation
31. The main discussion topic is government _____.
- n.* the condition or quality of being easy to see through

ANSWERS: 24. suspense, 25. accord, 26. chemical, 27. opportune, 28. oxide, 29. uncomfortable, 30. Empathy, 31. transparency

32. Cities around the world set records for highest _____ this summer.
n. the degree of hotness or coldness of a thing or place
33. Children in an unstructured environment often feel _____.
adj. not firm or firmly fixed; likely to fail or give way, or not assured of safety
34. Overall _____ are approximately 400x200mm.
n. a measurable extent of a particular kind, such as width, height, or length
35. The paint was a _____ of different pigments to achieve the desired color.
n. a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties
36. He suffers from _____ breakdowns.
adj. worried and anxious about something; relating to the nerves
37. The _____ of your eye dilates in response to different light levels.
n. the black circular opening in the center of the iris of the eye, through which light enters the eye; a student in school or university
38. Economic factors and monetary policy _____ inflation.
v. to increase the size, extent, quantity, etc. of something by adding something to it
39. This accident was something that happened _____.
adv. in an essential manner; in such a way as could not be otherwise
40. The cave was a habitat for _____.
n. a nocturnal animal with wings that flies and feeds at night, similar to a mouse; a piece of wood with a handle used for hitting the ball in sports including baseball, cricket, and table tennis

ANSWERS: 32. temperatures, 33. insecure, 34. dimensions, 35. mixture, 36. nervous, 37. pupil, 38. augmented, 39. necessarily, 40. bats

41. During transit, the stuff may ____ off the luggage tag.

v. to tear something or be torn violently or suddenly

42. Your _____ reflects your thoughts.

n. an informal talk between two or more people to exchange their views, ideas, information, etc.

43. The stages of the play were meticulously _____

adj. known to be real and what people say it is; not a fake or copy

44. The revitalization of technology companies is _____ to the country's growth.

adj. extremely vital or necessary

45. I didn't realize the iron was still hot and _____ my dress.

v. to burn something slightly or superficially, usually by mistake

46. I am _____ opposed to his idea because of morality.

adv. without restriction or limitation; completely or utterly

47. This device is used to _____ brain cancer and other tumors.

v. to determine or distinguish the nature of a problem or an illness through a careful analysis

48. This exam requires excellent _____ to pass.

n. the ability to focus all your time and energy on one thing without thinking about anything else.

49. The street was entirely silent and a bit _____.

adj. strange, or frightening; suggestive of the supernatural

ANSWERS: 41. rip, 42. conversation, 43. authentic, 44. crucial, 45. singed, 46. absolutely, 47. diagnose, 48. concentration, 49. eerie

50. The _____ algorithm always produces the same result for a given input.
adj. characterized by an assumption of cause and effect and the absence of chance or randomness, often used to describe scientific or engineering calculations
51. The prime minister was not well prepared for the debate and _____ it
adj. not genuine; fraudulent or counterfeit
52. 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
53. The _____ imaging camera was used to detect heat signatures in the dark.
adj. relating to heat or temperature; designed for or capable of producing or maintaining heat
54. He was diagnosed with _____ and was hospitalized for treatment.
n. a serious mental disorder characterized by a disconnection from reality, often including hallucinations, delusions, and a lack of insight into one's condition
55. _____ is the science of how living things work.
n. the branch of the biological sciences dealing with the functioning of organisms
56. She tried to _____ the layout of the new house in her mind.
v. to form a mental image or concept of something; to make something visible
57. An intelligent battery has a voltage monitoring _____.
n. (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area

ANSWERS: 50. deterministic, 51. faked, 52. spatial, 53. thermal, 54. psychosis, 55. Physiology, 56. visualize, 57. circuit

58. He was very _____ with him about his intentions.

adj. frank and honest; (adverb) (of payment) in advance

59. The government _____ regulated the country's food and drug safety standards.

n. an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action

60. Being an _____ in a relationship requires the partner to understand the empath's unique emotional needs.

n. a person who can understand and share the feelings and experiences of others, often described as having a high degree of empathy

61. He gently touched her apple-red _____ and whispered that he loved her.

n. either side of the face below the eye and between the nose and the jaw

62. The new president was _____ immediately after the national election.

v. to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position

63. They _____ fun at each other's jokes, laughing and teasing.

v. to push or prod with a sharp object or the finger

64. 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

65. Dolphins use _____ for hunting fish.

n. the use of reflected sound waves to locate objects, particularly by dolphins and bats.

ANSWERS: 58. upfront, 59. agency, 60. empath, 61. cheek, 62. installed, 63. poked, 64. biology, 65. echolocation

66. The designer's _____ was to create a minimalist aesthetic for the interior of the building.
- n.* a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something
67. My grandmother has _____ disease requires special care and attention from her caregivers.
- n.* a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
68. When a company discloses information to the market, an _____ auditor verifies them.
- adj.* belonging to or situated outside of someone or something
69. They selected a gorgeous diamond _____ ring.
- n.* a mutual promise to marry someone; an agreement to do something, especially at a particular time
70. 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
71. To advance this discussion, we must _____ "success" rigorously.
- v.* to state or explain precisely the nature, scope, or meaning of something
72. This story makes me _____.
- adj.* unable to relax because of being nervous or worried; stretched tight or rigid
73. She was struggling to make a _____ between two job offers.
- n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options

ANSWERS: 66. intent, 67. Alzheimer's, 68. external, 69. engagement, 70. environment, 71. define, 72. tense, 73. decision

74. Do you know the _____ of the population in Hong Kong?

n. the quality of compactness of a substance

75. She received special _____ training at the hospital.

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

76. Human _____ responses vary widely depending on the society to which they belong.

adj. relating to people's feelings

77. Our naive experience undoubtedly contains a _____ aspect.

adj. relating to language or the study of language

78. The _____ of the two groups is good for brainstorming.

n. the act of connecting with someone, mainly when working, playing, or spending time with them

79. The researchers spent considerable effort to ensure the _____ of their experiments.

n. the ability of an experiment, study, or result to be replicated or repeated by different researchers or laboratories, often seen as a key aspect of scientific rigor

80. He _____ a person out of going.

v. to try to deceive someone into believing that you can or are going to do something, or that you have knowledge or abilities; (noun) a high steep bank, usually formed by river erosion

81. There are _____ differences between the two wine-producing regions.

adj. easy to see, discover or understand

ANSWERS: 74. density, 75. clinical, 76. emotional, 77. linguistic, 78. interaction, 79. reproducibility, 80. bluffed, 81. obvious

82. _____ rejection and acceptance are both psychologically significant events.
adj. connected with relationships between people
83. These results muddied the _____.
n. the act of predicting the future by reasoning; a statement made about the future
84. The domesticated cat still has its _____ instincts.
adj. living by eating other animals, especially by catching prey that is still alive
85. 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
86. He rolled up his _____ to get ready to work.
n. a part of a garment that covers all or part of an arm
87. I found a stink ____ crawling across the ceiling.
n. any tiny insect; a fault or defect in a computer program, system, or machine
88. The _____ spun an intricate web in the corner of the room.
n. a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing
89. My sister and I frequently _____ books, as we love reading.
v. to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded

ANSWERS: 82. Interpersonal, 83. prediction, 84. predatory, 85. neuroscience, 86. sleeves, 87. bug, 88. spider, 89. exchange

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

adj. of or relating to a person's face

91. 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

92. The majority of consumers _____ this brand with quality.

v. to mentally connect someone or something with someone or something else

93. The prime minister canceled visits to other countries to resolve _____ disputes.

adj. of or relating to the inside of something

94. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.

n. a workplace for the conduct of scientific research; a laboratory

95. The violin's sound was so pure and _____ that it gave me chills.

adj. relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.

96. The sound _____ well in this theater.

v. to be filled with a deep echoing sound

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

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

ANSWERS: 90. Facial, 91. develop, 92. associate, 93. internal, 94. lab, 95. harmonic, 96. resonates, 97. predict

98. The relationship _____ between the two countries were complex and constantly changing.
- n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
99. She _____ the atmosphere of the pre-war age with her stage setting.
- v.* to make something that existed previously happen or appear to exist again
100. His facial _____ showed a mix of surprise and confusion.
- n.* the act of conveying thoughts, feelings, or ideas using words, facial expressions, body language, or art; a look or gesture that conveys a particular emotion or mood
101. The two countries pledged to maintain the _____ between their two currencies.
- n.* an amount, value, or size of the difference between things that are compared; (adjective) relating to or showing a difference
102. The _____ of the project being completed on time is uncertain.
- n.* the probability or chance that something will happen or be the case
103. The sun was setting, and the sky _____ with beautiful colors.
- v.* to give out a steady, strong light
104. Some _____ are common across cultures and backgrounds.
- n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
105. The sprinter has a _____ way of running.
- adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

ANSWERS: 98. dynamics, 99. recreated, 100. expression, 101. differential, 102. likelihood, 103. glowed, 104. emotions, 105. dynamic

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

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

107. Can you _____ 123321 by eleven?

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

108. There was a chemical _____ of the lime with the groundwater.

n. a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others

109. The company signed a _____ with the supplier for the delivery of goods.

n. a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law

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

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

111. The advice given by my mentor was _____ in my career.

adj. extremely useful, important, or valuable; describing something that cannot be measured in terms of monetary or material worth

112. I need to sew a _____ onto my jeans that ripped.

n. a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose

113. The building makes a remarkable _____ impact.

adj. relating to seeing or sight

ANSWERS: 106. perspective, 107. divide, 108. reaction, 109. contract, 110. analyze, 111. invaluable, 112. patch, 113. visual

114. _____ algorithms can find ways to optimize that humans do not anticipate.
adj. relating to or denoting how living things develop or change from earlier forms
115. The dog's _____ made it difficult for its owners to take it for a walk.
n. the act of attacking or assaulting; hostile or violent behavior
116. Advocates for legal reform hear less harsh words from their _____.
n. someone who expresses opinions about the quality of books, music, etc.
117. She used _____ nail polish remover to take off the stubborn glitter polish.
n. a colorless, volatile liquid that is commonly used as a solvent, especially in nail polish removers and paint thinners, often used in the production of plastics, fibers, and other chemicals
118. Her visit will _____ from Monday to Friday.
v. to broaden in scope, range, or area
119. We hit the ground to _____ out the rabbits.
v. to frighten a person or animal, or to become frightened
120. His theory is an _____ of earlier ideas.
n. an alloy of mercury with another metal, used especially to fill holes in teeth; a mixture or combination of diverse things
121. A culture of _____ in the workplace leads to better communication and productivity.
n. the quality of being truthful, sincere, and morally upright; adherence to moral and ethical principles

ANSWERS: 114. Evolutionary, 115. aggression, 116. critics, 117. acetone, 118. extend, 119. scare, 120. amalgam, 121. honesty

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

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

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

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

124. Supporters in the stands _____ at every goal.

v. to give a loud shout to show support, praise, or approval

125. Human behavior has _____ characteristics.

adj. forming an essential base or core from which everything else develops or is affected

126. Several cities are experiencing _____ high unemployment rates.

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

127. His _____ faculties were getting worse because of a lack of sleep.

adj. of or relating to mental processes of understanding

128. He took a deep breath and slowly began to _____.

v. to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently

129. She kept _____ for an ambulance.

v. to give a loud, high shout suddenly, especially because of fear, anger, excitement, etc.; to utter or declare in a very loud voice

ANSWERS: 122. clip, 123. Intelligent, 124. cheered, 125. fundamental, 126. incredibly, 127. cognitive, 128. exhale, 129. screaming

130. The study found that regular exercise can help to prevent the onset of _____ in older age.
- n.* a severe decline in cognitive function, especially memory, as a result of disease or injury
131. The interviewer asked him to speak into the _____.
- n.* a device that converts sound into an electrical signal used for recording sounds or making the voice louder
132. The heavy snow has been _____ since last morning.
- adj.* occurring or existing without a pause or interruption
133. Draw a circle five centimeters in _____.
- n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
134. We made _____ modifications to reflect the views of both sides.
- adj.* very small in degree or amount
135. She is a school _____ dedicated to helping students navigate academic and personal challenges.
- n.* a person trained to give advice and help people deal with personal or emotional problems
136. Trees absorb _____ dioxide and give off oxygen.
- n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
137. The golfer recorded an _____ distance.
- adj.* extremely surprising, especially in a way that you like or admire

ANSWERS: 130. dementia, 131. microphone, 132. continuous, 133. diameter, 134. slight, 135. counselor, 136. carbon, 137. amazing

138. Her voice gradually increased in _____.

- n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something

139. Most of the programs are _____ in this area.

- v.* to send out a program or some information on radio or television

140. My father was tested for _____.

- n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood

141. _____ advances have disrupted many industries.

- adj.* based on scientific and industrial progress

142. There was no _____ between their proposals.

- v.* to partially cover something by going beyond its edge

143. The Chinese word for _____ comprises two characters, one for danger and the other for opportunity.

- n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken

144. She wore a red _____ on her lapel to honor the veterans.

- n.* a plant with large, showy flowers of various colors, including red, pink, yellow, and white, and a capsule containing small seeds, and some species of poppy are used to produce opium and its derivatives

145. The _____ analysis revealed unexpected details about the composition of the planet's atmosphere.

- adj.* relating to or having the properties of a spectrum (= an ordered array of colors into which a light beam can be split); relating to a ghost or apparition

ANSWERS: 138. pitch, 139. broadcast, 140. diabetes, 141. Technological, 142. overlap, 143. crisis, 144. poppy, 145. spectral

146. He bated his _____ when talking about this affair.

- n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs

147. Our company has a strict policy regarding handling individually _____ health information.

- adj.* capable of being recognized

148. The security camera has _____ four intruders.

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

149. 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

150. Later, his claim was found to be _____ false.

- adv.* completely

151. I always carry a backup _____ in case my phone runs out of battery.

- n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

152. He discovered unique _____ for photochemical reactions.

- n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

ANSWERS: 146. breath, 147. identifiable, 148. detected, 149. recognize, 150. entirely, 151. device, 152. mechanisms