

# Englist.me



## Vocabulary Builder Reference from...

*Sam Rodriques: What we'll learn about the brain in the next century | TED Talk*

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### All Words

#### IMPORTANT

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## Session 1: Word List

### 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**.

### physicist

*n.* a scientist who specializes in the field of physics

(1) talented **physicist**, (2) theoretical **physicist**

Einstein was an outstanding and famous **physicist** of the 20th century.

### physics

*n.* the science of matter and energy and their interactions

(1) nuclear **physics**, (2) laws of **physics**

He studied the **physics** of radiation.

### 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**.

## depression

*n.* a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market

*synonym* : recession, slump, despair

(1) the Great **Depression**, (2) the root problem of her **depression**

**Depression** symptoms might include a decrease in appetite and weight loss.

## jar

*n.* a cylindrical container, typically made of glass, metal, or pottery, with a wide mouth and a screwed or sealed lid, used for storing food, liquids, and other materials

*synonym* : container, vessel, pot

(1) a **jar** of jam, (2) a water **jar**

He placed the coins in a **jar** to save for a trip.

## halfway

*adj.* in or at a point midway or an equal distance between two points

*synonym* : middle, median, center

(1) **halfway** through my journey, (2) **halfway** decent job

The famous restaurant stands **halfway** up the hill.

## decide

*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options

*synonym* : choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action

She couldn't **decide** whether to order the pizza or the pasta for dinner.

## theoretical

*adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

*synonym* : conceptual, conjectural, ideal

(1) **theoretical** models, (2) **theoretical** physicist

Absolute zero is the lowest **theoretical** temperature.

## sophisticated

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

*synonym*: refined, cultured, worldly

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

Marketing strategies are growing more **sophisticated**.

## mathematics

*n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

*synonym*: arithmetic, calculation, calculus

(1) a good grounding in **mathematics**, (2) **mathematics** competition

He has a flair for **mathematics**.

## precise

*adj.* sharply exact or accurate or delimited

*synonym*: accurate, exact, distinct

(1) **precise** analyses, (2) estimate **precise** costs

The content is **precise** and informative for me.

## phenomenon

*n.* something that exists and can be perceptible, especially one that is not fully understood

*synonym*: marvel, wonder, splendor

(1) natural **phenomenon**, (2) historical **phenomenon**

A rainbow is a natural **phenomenon**.

## 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.

## typical

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

*synonym*: characteristic, usual, distinctive

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

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

## **motto**

*n.* a phrase or slogan that expresses a guiding principle or goal

*synonym*: slogan, catchphrase, phrase

(1) the **motto** for safe traffic, (2) company **motto**

The company's **motto** is "Innovation and Service," which is reflected in its products and customer support.

## **improve**

*v.* to make or become better

*synonym*: enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score

We want to **improve** ties between our two countries.

## **outcome**

*n.* the result or effect of an action, event, etc.

*synonym*: result, consequence, effect

(1) improved student **outcomes**, (2) a desirable **outcome**

They awaited news of the **outcome** of the election.

## **patient**

*n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic

*synonym*: client, recipient, subject

(1) **patient** in the hospital, (2) **patient** with weight loss

The doctor carefully examined the **patient's** medical history.

## **disease**

*n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

*synonym*: illness, ailment, affliction

(1) **disease** prevention, (2) **disease** control

The doctor diagnosed him with a rare **disease** that had no known cure.

## **cancer**

*n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

*synonym*: tumor, carcinoma, malignancy

(1) **cancer** diagnosis, (2) **cancer** research

Breast **cancer** is the most common type of cancer in women.

## 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**.

## reproduce

*v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process

*synonym* : duplicate, breed, imitate

(1) **reproduce** the painting, (2) **reproduce** by myself

By dividing and creating copies of themselves, bacteria **reproduce**.

## psychology

*n.* the scientific study of mind and behavior

(1) **psychology** experiment, (2) **psychology** of crowd

She had a master's degree in **psychology**.

## neuron

*n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body

*synonym* : nerve cell

(1) excite the **neurons**, (2) **neuron** cell body

Our body transfers information along each **neuron** using an electrical impulse.

## electrical

*adj.* relating to electricity

(1) an **electrical** storm, (2) degree in **electrical** engineering

Actuators convert **electrical** pulses into motion.

## 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.

## microscope

*n.* an instrument used to see objects or substances that are too small to be seen with the naked eye

*synonym*: lens, magnifier, eyepiece

(1) **microscope** slide, (2) electron **microscope**

I used an optical **microscope** to observe the small organisms in the water sample.

## physically

*adv.* in a way related to a person's body or appearance rather than their mind

(1) **physically** and mentally, (2) stay **physically** fit

Having a **physically** healthy physique is essential for a great life.

## invention

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

*synonym*: creation, design, innovation

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

Necessity is the mother of **invention**.

## proxy

*n.* a person or entity that is authorized to act on behalf of another person or entity

*synonym*: surrogate, representative, agent

(1) healthcare **proxy**, (2) **proxy** server

She voted by **proxy** because she was unable to attend in person.

## functional

*adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service

*synonym*: applicable, practical, usable

(1) field of **functional** medicine, (2) **functional** deafness

The mobile phone was still **functional** even after being dropped.

- MRI** *n.* (abbreviation for magnetic resonance imaging) a medical imaging technique that uses a strong magnetic field and radio waves to produce detailed images of the inside of the body  
(1) **MRI** brain image, (2) cardiac **MRI**  
The **MRI** machine uses powerful magnets to produce detailed images of the inside of the body.
- 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.
- neural** *adj.* of or relating to a nerve or the nervous system that includes the brain  
*synonym*: sensory, neuronic, nervous  
(1) **neural** stem cells, (2) **neural** networks in AI  
There was a disturbance of **neural** function.
- essentially** *adv.* relating to the essential features or concepts of anything  
*synonym*: fundamentally, basically, virtually  
(1) **essentially** correct, (2) become **essentially** same  
**Essentially**, a society is an organism.
- oxygen** *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live  
(1) the hydrogen binds the **oxygen**, (2) lack of **oxygen**  
The passenger grabbed for the **oxygen** mask.
- electroencephalography** *v.* (also "EEG") a diagnostic medical procedure that involves the use of electrodes placed on the scalp to measure and record the electrical activity of the brain often used to assess and diagnose various neurological

conditions

*synonym* : brain wave test, EEG, neural scan

(1) **electroencephalography** test, (2) abnormal **electroencephalography**

She is an **electroencephalography** technician skilled in performing EEG tests on patients.

## electrode

*n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region

(1) platinum **electrodes**, (2) **electrode** corrosion

It is important to place the **electrodes** in the correct position for accurate electro-cardiogram recording.

## slosh

*v.* to move the liquid around, usually inside a container, with a splashing or slapping sound; to move clumsily through water or mud

*synonym* : splash, swish, slop

(1) **slosh** through the mud, (2) **slosh** a drink

The water **sloshed** over the edge of the bucket and spilled onto the floor.

## classic

*adj.* judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type

*synonym* : definitive, traditional, typical

(1) a **classic** experiment, (2) Chinese **classic** literature

He displayed the **classic** symptoms of depression.

## responsible

*adj.* answerable or accountable for something within one's power, control, or management

*synonym* : accountable, answerable, liable

(1) **responsible** action, (2) **responsible** for a customer service

She's a **responsible** pet owner who ensures her dog gets enough exercise and a healthy diet.



## resolve

v. to find a suitable answer to the problems or difficulty  
*synonym*: decide, determine, fix

(1) **resolve** a dispute, (2) **resolve** the computer error  
This company **resolves** its battery problem completely.

## stick

v. to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

*synonym*: pierce, adhere, stay

(1) **stick** a key in a lock, (2) fire **stick**

You **stick** a bill in the change machine, and the coins pop out.

## pervasive

adj. spreading or existing throughout every part of a thing or place

*synonym*: extensive, ubiquitous, prevalent

(1) **pervasive** language, (2) the **pervasive** odor of garlic  
Suspicion and worry were **pervasive** in our minds.

## preface

n. an introduction or preliminary statement, particularly to a book or other written work, that provides context or sets out the author's purpose or perspective

*synonym*: introduction, preamble, prologue

(1) **preface** page, (2) book **preface**

The author wrote a powerful **preface** explaining their motivation for writing the book.

## outline

v. to describe the main facts or aspects involved in something

*synonym*: recap, summarize, digest

(1) **outlined** the plan, (2) **outline** the findings

This page **outlines** our response planning for an emergency.

## climate

n. the weather in a particular location averaged over some long period

*synonym*: atmosphere, weather, environment

(1) a cold **climate**, (2) effects of **climate** change  
**Climate** and weather have an impact on every part of our lifestyles.

## robotic

*adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

*synonym*: automated, mechanical, laborsaving

(1) **robotic** arm, (2) **robotic** guide operation

The surgeon removed the tumor using **robotic** video assistance.

## vacuum

*n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction

*synonym*: void, emptiness, gap

(1) **vacuum** cleaner, (2) **vacuum** packing

Please use the **vacuum** to clean up the mess on the floor.

## surprisingly

*adv.* in a way that causes amazement or wonder

*synonym*: exceptionally, notably, unusually

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

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

## recognizable

*adj.* easy to become aware of or identify

*synonym*: noticeable, perceptible, definite

(1) to a **recognizable** degree, (2) **recognizable** landmark

His car was easily **recognizable** in the parking lot.

## 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.

## genetic

*adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes

*synonym* : hereditary, genetical, inborn

(1) have **genetic** testing, (2) a **genetic** disorder

Understanding protein folding is a vital step in deciphering the **genetic** code.

## therapy

*n.* the act of caring for someone through medication, remedial training, etc.

*synonym* : antidote, medicine, treatment

(1) **therapy** for a patient, (2) field of gene **therapy**

I underwent aversion **therapy** for my addiction to alcohol.

## degenerate

*v.* (of a person, animal, or plant) to become worse in health or physical condition

*synonym* : deteriorate, decline, decay

(1) **degenerate** into a disagreement, (2) **degenerate** into recession

The once-thriving city has **degenerated** into a crime-ridden slum.

## process

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

*synonym* : procedure, method, system

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

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

## skull

*n.* a bone framework that surrounds the brain and gives the head its shape

*synonym* : cranium, scalp, brain

(1) **skull** fracture, (2) have a thick **skull**

Archaeologists found a Neanderthal **skull** at that historic site.

## pierce

*v.* to cut or make a way through with a sharp instrument  
*synonym*: jab, penetrate, stab

(1) **pierce** the armored shells, (2) **pierce** a mystery  
The extreme cold **pierced** our bones.

## drill

*n.* a tool or machine used for making round holes or driving fasteners; a training or practice

*synonym*: exercise, routine, training

(1) the **drill** hit the well, (2) fire **drill**

Several military **drill** programs have become popular methods of exercise.

## quarter

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

*synonym*: fourth, one-fourth

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

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

## experiment

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

*synonym*: experimentation, investigation

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

His **experiments** showed highly positive results.

## gigantic

*adj.* extremely large

*synonym*: huge, enormous, immense

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

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

## microscopic

*adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy

*synonym*: infinitesimal, tiny, atomic

(1) **microscopic** inquiry, (2) **microscopic** analysis

Inspectors noticed **microscopic** cracks in the submarine's hull.

## 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.

## disorder

*n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions

*synonym*: chaos, disturbance, disease

(1) the files are in complete **disorder**, (2) people with bipolar **disorder**

The doctor prescribed some medicine for the mental **disorder**.

## beneath

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

*synonym*: down, under, low

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

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

## eventually

*adv.* finally, particularly after a long time or a lot of struggle, complications, and so on

*synonym*: finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed

The corporation **eventually** dominated the entire tobacco business.

## laser

*n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

*synonym*: beam, bar, ray

(1) **laser** printer, (2) pulse **laser**

The company holds patents on core components of **laser** jet printers.

## reliable

*adj.* worthy of being relied on; trustworthy

*synonym* : dependable, trustworthy, dedicated

(1) **reliable** access, (2) guarantee **reliable** delivery

Trains are **reliable**, inexpensive, and ideal for long-distance travel.

## crazy

*adj.* stupid or not sensible; very angry

*synonym* : insane, absurd, bizarre

(1) **crazy** about cars and racing, (2) a **crazy** scheme

The rain and thunder are **crazy** today.

## surgeon

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

*synonym* : sawbones, doctor

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

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

## surgery

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

*synonym* : operation, (medical) procedure

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

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

## tissue

*n.* an ensemble of similar cells of the animal or plant that together carry out a specific function

*synonym* : structure, texture, anatomy

(1) a facial **tissue**, (2) loss of muscle **tissue**

The researcher separated the nervous **tissue** for microscopic examinations.

## stroke

*n.* a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball with a club, racket, etc.

*synonym* : blow

(1) suffer **stroke**, (2) a **stroke** of the putter

This year's extreme heat has resulted in many heat **stroke** cases.

## vessel

*n.* a ship or large boat

*synonym* : boat, ship, craft

(1) blood **vessels**, (2) naval **vessels**

The **vessel** arrived in port the following day.

## flexible

*adj.* able to change or be changed to suit new conditions or situations; able to bend easily

*synonym* : adaptable, elastic, pliable

(1) **flexible** schedules, (2) a **flexible** wire

You can be more **flexible** and creative in your approach.

## probe

*n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something

*synonym* : investigation, inquiry, examination

(1) a lunar **probe**, (2) **probe** for inside information

NASA sent a **probe** to study the atmosphere of Jupiter.

## battery

*n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them

*synonym* : electric cell, array, batch

(1) a dry **battery**, (2) **battery** charging

The engine did not start because the **battery** was flat.

## discovery

*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

*synonym* : finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important **discovery**.

## identify

*v.* to recognize someone or something and say or prove who or what they are

*synonym*: determine, specify, recognize

(1) **identify** handwriting, (2) **identify** gene sequences

I will introduce you to how to **identify** the leading causes of the malfunction.

## hindsight

*n.* understanding or knowledge that comes after an event has occurred; the ability to perceive or understand events with greater clarity or accuracy in retrospect

*synonym*: retrospect, afterthought

(1) **hindsight** bias, (2) 20/20 **hindsight**

With **hindsight**, we can see that investing in that company was a mistake.

## individual

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

*synonym*: person, being, self

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

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

## transition

*n.* the process or period of changing from one state or circumstance to another

*synonym*: change, growth, shift

(1) **transition** phase, (2) ensure a smooth **transition**

The nation's healthcare system is in **transition** at the moment.

## genetics

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

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

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

## restricted

*adj.* limited in extent, number, scope, or action, especially by official rules, laws, etc.

*synonym*: limited, determinate, fixed

(1) **restricted** area, (2) lactose **restricted** diet



The country has designated our products as **restricted** import goods.

## medical

*adj.* relating to the treatment of illness or injuries; relating to the practice of medicine

*synonym*: health, disease, treatment

(1) a **medical** opinion, (2) temporary **medical** treatment

The **medical** team worked quickly to save the patient's life.

## hook

*n.* a curved device used for suspending, holding, or pulling something, especially one attached to a surface for hanging things on; a sharp curve or crook

*synonym*: buckle, pin, curve

(1) a hat **hook**, (2) the curved shape of a **hook**

Please hang your towel on a **hook**.

## skeptical

*adj.* doubting that something is accurate or useful

*synonym*: doubtful, distrustful, suspicious

(1) a **skeptical** attitude, (2) **skeptical** scientists

His religious and philosophical beliefs were utterly **skeptical**.

## permanent

*adj.* lasting for a long time without essential change

*synonym*: lasting, ceaseless, endless

(1) literature of **permanent** value, (2) **permanent** life insurance

She is searching for a **permanent** residence.

## recall

*v.* to remember something

*synonym*: remember, retrieve, recollect

(1) **recall** the incident, (2) **recall** his name

She vividly **recalls** getting laid off several years ago.

## visionary

*adj.* having or showing exceptional foresight and imagination; not practical or realizable; speculative

*synonym*: prophetic, far-sighted, imaginative

(1) **visionary** business, (2) **visionary** ideas

The **visionary** leader had a clear plan for the company's future.

## deregulation

*n.* the process of reducing or removing government regulations and restrictions in a particular industry or sector, often to promote competition and reduce costs  
*synonym* : liberalization

(1) **deregulation** of the economy, (2) aviation **deregulation**

The government's **deregulation** of the telecommunications industry led to increased competition.

## commerce

*n.* the activity of buying and selling things, especially on a large scale  
*synonym* : trade, transaction, dealings

(1) interstate **commerce**, (2) the local chamber of **commerce**

This company has invested heavily in Internet **commerce**.

## explode

*v.* to burst or break open violently and noisily; to cause something to burst or break open  
*synonym* : detonate, blast, rupture

(1) **explode** in anger, (2) **explode** in popularity

The old building **exploded** in a fiery inferno.

## excuse

*n.* a reason or explanation, either true or invented, given to justify a fault or defend your behavior; (verb) to make someone free from blame or clear from guilt  
*synonym* : apology, justification, reason

(1) **excuse** for inaction, (2) perfect **excuse**

He quickly fabricated an **excuse** for not attending the meeting.

## typo

*n.* a mistake made in typing or the reproduction of a text  
*synonym* : error, mistake, misprint

(1) full of **typos**, (2) **typo-free** resume

I noticed a **typo** in the company's annual report, stating the

wrong profit margin.

## interface

*n.* (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things

*synonym*: junction, surface, UI

(1) **interface** between gas and liquid, (2) the user **interface**  
Detergent weakens the surface tension at the **interface** of two liquids.

## bandwidth

*n.* the amount of data that can be transmitted or processed at one time often used to describe the capacity of electronic communication or computing systems

*synonym*: capacity, data transfer rate, network speed

(1) **bandwidth** allocation, (2) increase **bandwidth**

I don't have the **bandwidth** to take on any new projects, as I'm already working on multiple assignments.

## 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**.

## 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.

## abstract

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

*synonym*: conceptual, theoretical, ideational

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

The invention of the camera triggered the development of

**abstract** painting.

## suddenly

*adv.* quickly and unexpectedly

*synonym* : abruptly, unexpectedly, unawares

(1) **suddenly** attacked by an enemy, (2) die **suddenly**

Who answers **suddenly** knows little.

## basis

*n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

*synonym* : foundation, base, ground

(1) on an equal **basis**, (2) **basis** for calculation

This evidence will form the **basis** for our discussion.

## 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.

## observe

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

*synonym* : watch, monitor, scrutinize

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

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

## dorsal

*adj.* located on the back, particularly the upper surface of an animal's body; related to or pertaining to the back

*synonym* : abaxial, spinal, back

(1) **dorsal** surface, (2) **dorsal** root

The shark's **dorsal** fin is a distinguishing feature.

## prefrontal

*adj.* in or about the foremost part of the frontal lobe of the brain

(1) **prefrontal** bone, (2) **prefrontal** region

Research shows that damage to the **prefrontal** cortex leads to increased aggression.

## cortex

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

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

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

## reorganize

*v.* to change to a more sufficient or suitable form of organization

*synonym*: rearrange, reconstruct, reshuffle

(1) **reorganize** a department, (2) **reorganize** his debts

The new CEO was appointed to **reorganize** their business.

## align

*v.* to put or arrange two or more things in a straight line or to form a straight line

*synonym*: coordinate, regulate, adjust

(1) **align** the economic interest of each other, (2) **align** with a historical trend

Both parties are now entirely ideologically **aligned**.

## medicinal

*adj.* of or relating to the treatment or cure of disease

*synonym*: curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**

The **medicinal** properties of this herb have been known to help with various ailments.

## 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.

## symptom

*n.* any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease

*synonym* : sign, manifestation, syndrome

(1) **symptoms** of low testosterone, (2) neurotic **symptoms**

The patient displays a **symptom** of a side effect.

## pathology

*n.* the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders

*synonym* : medical science, pathophysiology

(1) benign **pathology**, (2) clinical **pathology**

The **pathology** report showed no signs of cancer, giving her family a sense of relief.

## incredible

*adj.* unbelievable; enormous

*synonym* : unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed

Her response revealed **incredible** idiocy.

## retrospect

*n.* a review or analysis of past events, particularly to gain insight or understanding; a consideration of something that has already occurred or been accomplished

*synonym* : review, hindsight, contemplation

(1) **retrospect** review, (2) with hindsight **retrospect**

In **retrospect**, I wish I had made a different decision.

## amphetamine

*n.* a synthetic stimulant drug that affects the central nervous system, typically prescribed to treat conditions such as attention deficit hyperactivity disorder (ADHD) and narcolepsy, known to increase alertness, focus, and energy levels

*synonym* : stimulant, upper, speed

(1) **amphetamine** addiction, (2) **amphetamine-based** medication

The abuse of **amphetamine** can have serious and long-lasting health effects.

## schizophrenia

*n.* a severe mental disorder in which a person has a distorted view of reality and may experience hallucinations, delusions, and disordered thinking and behavior

*synonym* : psychosis, disorder, mental illness

(1) **schizophrenia** spectrum disorder, (2) **schizophrenia** treatment

The **schizophrenia** patient was experiencing severe auditory hallucinations.

## prescribe

*v.* (of a doctor) to advise and order the use of particular medicine or treatment for someone, especially in writing; to issue commands or orders for something

*synonym* : define, specify, stipulate

(1) **prescribe** a drug, (2) **prescribe** in the preceding paragraph

Federal bankruptcy laws **prescribed** the reorganization process.

## random

*adj.* made, done, or happening without method, conscious decision, or any regular pattern

*synonym* : incidental, arbitrary, unanticipated

(1) a **random** choice, (2) bombs fell at **random**

To find drunk drivers, police conduct **random** tests.

## 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.

## satirical

*adj.* characterized by the use of criticism that ridicules human folly, vices, or weaknesses through humor, irony, or sarcasm

*synonym* : mocking, ironic, sarcastic

(1) **satirical** article, (2) **satirical** humor

The **satirical** cartoon poked fun at the politicians in a clever

way.

## fetch

v. to go and bring back something or someone; to retrieve or obtain something

*synonym*: retrieve, bring, get

(1) **fetch** the mail, (2) **fetch** a ball

Could you help me **fetch** the ball from the other side of the field?

## progression

n. the act or process of changing to the next stage or phase or moving forward

*synonym*: advancement, development, evolution

(1) **progression** of civilization, (2) **progression** of disease

The company has made great strides in its **progression** toward sustainability.

## dedicate

v. to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use

*synonym*: consecrate, devote, commit

(1) **dedicate** a few hours, (2) **dedicate** a chapter to the subject

He **dedicated** his life to helping others.

## invest

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

*synonym*: fund, sponsor, support

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

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



## Session 2: Spelling

1. pe\_\_\_\_\_ve language *adj.* spreading or existing throughout every part of a thing or place
2. sur\_\_\_\_\_gly advanced culture *adv.* in a way that causes amazement or wonder
3. fire dr\_\_l *n.* a tool or machine used for making round holes or driving fasteners; a training or practice
4. ba\_\_s for calculation *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
5. visual co\_\_\_x neuron *n.* the outermost layer of an organ, especially the brain
6. pr\_\_e for inside information *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
7. va\_\_\_m packing *n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction
8. increase ba\_\_\_\_\_th *n.* the amount of data that can be transmitted or processed at one time often used to describe the capacity of electronic communication or computing systems

ANSWERS: 1. pervasive, 2. surprisingly, 3. drill, 4. basis, 5. cortex, 6. probe, 7. vacuum, 8. bandwidth

- |                                  |  |
|----------------------------------|--|
| 9. series of exp_____nts         | <i>n.</i> the scientific test conducted to observe what happens and gain new knowledge   |
| 10. a hat h__k                   | <i>n.</i> a curved device used for suspending, holding, or pulling something, especially one attached to a surface for hanging things on; a sharp curve or crook                         |
| 11. re_____e the computer error  | <i>v.</i> to find a suitable answer to the problems or difficulty  |
| 12. temporary me_____l treatment | <i>adj.</i> relating to the treatment of illness or injuries; relating to the practice of medicine   |
| 13. 20/20 hi_____ht              | <i>n.</i> understanding or knowledge that comes after an event has occurred; the ability to perceive or understand events with greater clarity or accuracy in retrospect                 |
| 14. ob_____e a tradition         | <i>v.</i> to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion |
| 15. end of the first qu_____r    | <i>n.</i> one of four equal parts; a fourth part or portion  |
| 16. ba_____y charging            | <i>n.</i> a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them   |
| 17. the dr__l hit the well       | <i>n.</i> a tool or machine used for making round holes or driving fasteners; a training or practice   |
| 18. sch_____nia treatment        | <i>n.</i> a severe mental disorder in which a person has a distorted view of reality and may experience hallucinations, delusions, and disordered thinking and behavior                  |

ANSWERS: 9. experiment, 10. hook, 11. resolve, 12. medical, 13. hindsight, 14. observe, 15. quarter, 16. battery, 17. drill, 18. schizophrenia

19. with hindsight ret\_\_\_\_\_ct      *n.* a review or analysis of past events, particularly to gain insight or understanding; a consideration of something that has already occurred or been accomplished
20. a scientific di\_\_\_\_\_ry      *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
21. ex\_\_\_\_\_e in anger      *v.* to burst or break open violently and noisily; to cause something to burst or break open
22. pr\_\_\_\_\_e analyses      *adj.* sharply exact or accurate or delimited
23. the mo\_\_o for safe traffic      *n.* a phrase or slogan that expresses a guiding principle or goal
24. fl\_\_\_\_\_le schedules      *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
25. pr\_\_y server      *n.* a person or entity that is authorized to act on behalf of another person or entity
26. di\_\_\_\_\_e prevention      *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
27. degree in ele\_\_\_\_\_al engineering      *adj.* relating to electricity
28. su\_\_\_\_\_ly attacked by an enemy      *adv.* quickly and unexpectedly
29. the science of ge\_\_\_\_\_cs      *n.* the branch of biology that studies genes, genetic variation, and heredity in organisms

ANSWERS: 19. retrospect, 20. discovery, 21. explode, 22. precise, 23. motto, 24. flexible, 25. proxy, 26. disease, 27. electrical, 28. suddenly, 29. genetics

30. ind\_\_\_\_\_al freedom *n.* a single person or thing, as distinct from a group
31. sch\_\_\_\_\_nia spectrum disorder *n.* a severe mental disorder in which a person has a distorted view of reality and may experience hallucinations, delusions, and disordered thinking and behavior
32. mic\_\_\_\_\_ic analysis *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
33. in\_\_\_\_\_ce between gas and liquid *n.* (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things
34. book pr\_\_\_\_\_e *n.* an introduction or preliminary statement, particularly to a book or other written work, that provides context or sets out the author's purpose or perspective
35. pre\_\_\_\_\_al bone *adj.* in or about the foremost part of the frontal lobe of the brain
36. the Great Dep\_\_\_\_\_on *n.* a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market
37. de\_\_\_e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
38. the user in\_\_\_\_\_ce *n.* (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things

ANSWERS: 30. individual, 31. schizophrenia, 32. microscopic, 33. interface, 34. preface, 35. prefrontal, 36. depression, 37. decide, 38. interface

39. rec\_\_\_\_\_ble landmark *adj.* easy to become aware of or identify
40. clinical pa\_\_\_\_\_gy *n.* the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders
41. pulse la\_\_r *n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
42. bombs fell at ra\_\_\_m *adj.* made, done, or happening without method, conscious decision, or any regular pattern
43. fire st\_\_k *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
44. the branch of neu\_\_\_\_\_nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
45. id\_\_\_\_\_fy handwriting *v.* to recognize someone or something and say or prove who or what they are
46. sa\_\_\_\_\_al humor *adj.* characterized by the use of criticism that ridicules human folly, vices, or weaknesses through humor, irony, or sarcasm
47. l\_b instrument *n.* a workplace for the conduct of scientific research; a laboratory

ANSWERS: 39. recognizable, 40. pathology, 41. laser, 42. random, 43. stick, 44. neuroscience, 45. identify, 46. satirical, 47. lab

48. the ground be\_\_\_\_\_h my feet  
*adv.* in or to a lower place than someone or something
49. ret\_\_\_\_\_ct review  
*n.* a review or analysis of past events, particularly to gain insight or understanding; a consideration of something that has already occurred or been accomplished
50. 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
51. de\_\_\_e a question  
*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
52. platinum el\_\_\_\_\_des  
*n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
53. a j\_r of jam  
*n.* a cylindrical container, typically made of glass, metal, or pottery, with a wide mouth and a screwed or sealed lid, used for storing food, liquids, and other materials
54. a fl\_\_\_\_\_le wire  
*adj.* able to change or be changed to suit new conditions or situations; able to bend easily
55. blood ve\_\_\_ls  
*n.* a ship or large boat
56. electron mic\_\_\_\_\_pe  
*n.* an instrument used to see objects or substances that are too small to be seen with the naked eye

ANSWERS: 48. beneath, 49. retrospect, 50. Alzheimer, 51. decide, 52. electrode, 53. jar, 54. flexible, 55. vessel, 56. microscope

57. the local chamber of co\_\_\_\_\_ce      *n.* the activity of buying and selling things, especially on a large scale
58. ty\_\_\_\_\_l leader      *adj.* having the usual characteristics or traits of a specific group of things
59. pi\_\_\_e a mystery      *v.* to cut or make a way through with a sharp instrument
60. stay phy\_\_\_\_\_ly fit      *adv.* in a way related to a person's body or appearance rather than their mind
61. field of gene th\_\_\_\_\_y      *n.* the act of caring for someone through medication, remedial training, etc.
62. cr\_\_y about cars and racing      *adj.* stupid or not sensible; very angry
63. de\_\_\_\_\_te a few hours      *v.* to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use
64. a dry ba\_\_\_\_\_y      *n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
65. company mo\_\_o      *n.* a phrase or slogan that expresses a guiding principle or goal
66. traditional me\_\_\_\_\_al      *adj.* of or relating to the treatment or cure of disease
67. de\_\_\_e a word      *v.* to state or explain precisely the nature, scope, or meaning of something
68. the root problem of her dep\_\_\_\_\_on      *n.* a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market

ANSWERS: 57. commerce, 58. typical, 59. pierce, 60. physically, 61. therapy, 62. crazy, 63. dedicate, 64. battery, 65. motto, 66. medicinal, 67. define, 68. depression

69. re\_\_\_\_le access *adj.* worthy of being relied on; trustworthy
70. a cold cl\_\_\_\_e *n.* the weather in a particular location averaged over some long period
71. M\_I brain image *n.* (abbreviation for magnetic resonance imaging) a medical imaging technique that uses a strong magnetic field and radio waves to produce detailed images of the inside of the body
72. em\_\_\_\_al health *adj.* relating to people's feelings
73. ou\_\_\_\_ed the plan *v.* to describe the main facts or aspects involved in something
74. the files are in complete di\_\_\_\_er *n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
75. sop\_\_\_\_ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
76. sk\_\_l fracture *n.* a bone framework that surrounds the brain and gives the head its shape
77. ha\_\_\_\_y through my journey *adj.* in or at a point midway or an equal distance between two points
78. electronic de\_\_\_\_e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
79. the professor of su\_\_\_\_y *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures

ANSWERS: 69. reliable, 70. climate, 71. MRI, 72. emotional, 73. outline, 74. disorder, 75. sophisticated, 76. skull, 77. halfway, 78. device, 79. surgery



80. the\_\_\_\_\_al models *adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience
81. an excellent brain su\_\_\_\_\_n *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
82. mic\_\_\_\_\_ic inquiry *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
83. sl\_\_h through the mud *v.* to move the liquid around, usually inside a container, with a splashing or slapping sound; to move clumsily through water or mud
84. amp\_\_\_\_\_ne addiction *n.* a synthetic stimulant drug that affects the central nervous system, typically prescribed to treat conditions such as attention deficit hyperactivity disorder (ADHD) and narcolepsy, known to increase alertness, focus, and energy levels
85. de\_\_\_e my position *v.* to state or explain precisely the nature, scope, or meaning of something
86. ob\_\_\_\_\_e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
87. ro\_\_\_\_\_c arm *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

ANSWERS: 80. theoretical, 81. surgeon, 82. microscopic, 83. slosh, 84. amphetamine, 85. define, 86. observe, 87. robotic

88. a me\_\_\_\_\_l opinion *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
89. suffer st\_\_\_\_e *n.* a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball with a club, racket, etc.
90. cardiac M\_l *n.* (abbreviation for magnetic resonance imaging) a medical imaging technique that uses a strong magnetic field and radio waves to produce detailed images of the inside of the body
91. the in\_\_\_\_\_on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
92. pre\_\_\_\_\_al region *adj.* in or about the foremost part of the frontal lobe of the brain
93. common in\_\_\_\_\_on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
94. inc\_\_\_\_\_le amount *adj.* unbelievable; enormous
95. deg\_\_\_\_\_te into a disagreement *v.* (of a person, animal, or plant) to become worse in health or physical condition
96. abnormal  
ele\_\_\_\_\_phy *n.* (also "EEG") a diagnostic medical procedure that involves the use of electrodes placed on the scalp to measure and record the electrical activity of the brain often used to assess and diagnose various neurological conditions

ANSWERS: 88. medical, 89. stroke, 90. MRI, 91. invention, 92. prefrontal, 93. invention, 94. incredible, 95. degenerate, 96. electroencephalography

97. di\_\_\_\_\_es patient *n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood
98. amp\_\_\_\_\_ne-based medication *n.* a synthetic stimulant drug that affects the central nervous system, typically prescribed to treat conditions such as attention deficit hyperactivity disorder (ADHD) and narcolepsy, known to increase alertness, focus, and energy levels
99. ou\_\_\_\_\_e the findings *v.* to describe the main facts or aspects involved in something
100. re\_\_\_\_l the incident *v.* to remember something
101. tracking de\_\_\_\_e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
102. im\_\_\_\_\_e a process *v.* to make or become better
103. ess\_\_\_\_\_ly correct *adv.* relating to the essential features or concepts of anything
104. res\_\_\_\_\_ed area *adj.* limited in extent, number, scope, or action, especially by official rules, laws, etc.
105. ex\_\_\_\_e for inaction *n.* a reason or explanation, either true or invented, given to justify a fault or defend your behavior; (verb) to make someone free from blame or clear from guilt
106. a theoretical concept in  
neu\_\_\_\_\_nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system

ANSWERS: 97. diabetes, 98. amphetamine, 99. outline, 100. recall, 101. device, 102. improve, 103. essentially, 104. restricted, 105. excuse, 106. neuroscience

107. vi\_\_\_\_\_ry business *adj.* having or showing exceptional foresight and imagination; not practical or realizable; speculative
108. fun\_\_\_\_\_al deafness *adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service
109. ro\_\_\_\_\_c guide operation *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
110. interstate co\_\_\_\_\_ce *n.* the activity of buying and selling things, especially on a large scale
111. der\_\_\_\_\_ion of the economy *n.* the process of reducing or removing government regulations and restrictions in a particular industry or sector, often to promote competition and reduce costs
112. exp\_\_\_\_\_nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
113. ca\_\_\_\_r research *n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells
114. ne\_\_\_\_l networks in AI *adj.* of or relating to a nerve or the nervous system that includes the brain
115. historical phe\_\_\_\_\_on *n.* something that exists and can be perceptible, especially one that is not fully understood

ANSWERS: 107. visionary, 108. functional, 109. robotic, 110. commerce, 111. deregulation, 112. experiment, 113. cancer, 114. neural, 115. phenomenon

116. mat\_\_\_\_\_cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
117. natural phe\_\_\_\_\_on *n.* something that exists and can be perceptible, especially one that is not fully understood
118. al\_\_n the economic interest of each other *v.* to put or arrange two or more things in a straight line or to form a straight line
119. el\_\_\_\_\_de corrosion *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
120. pr\_\_\_\_\_t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
121. Chinese cl\_\_\_\_\_c literature *adj.* judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type
122. pr\_\_\_\_\_e page *n.* an introduction or preliminary statement, particularly to a book or other written work, that provides context or sets out the author's purpose or perspective
123. 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
124. have sur\_\_\_\_\_gly little effect *adv.* in a way that causes amazement or wonder

ANSWERS: 116. mathematics, 117. phenomenon, 118. align, 119. electrode, 120. predict, 121. classic, 122. preface, 123. Alzheimer, 124. surprisingly

125. eve\_\_\_\_\_ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
126. ensure a smooth tra\_\_\_\_\_on *n.* the process or period of changing from one state or circumstance to another
127. theoretical ph\_\_\_\_\_st *n.* a scientist who specializes in the field of physics
128. pro\_\_\_\_\_on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
129. field of fun\_\_\_\_\_al medicine *adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service
130. re\_\_\_\_\_e a dispute *v.* to find a suitable answer to the problems or difficulty
131. gi\_\_\_\_\_ic proportions *adj.* extremely large
132. ne\_\_\_\_n cell body *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
133. di\_\_\_\_\_se with CT scans *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
134. in\_\_\_\_t in stocks *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
135. perfect ex\_\_\_\_e *n.* a reason or explanation, either true or invented, given to justify a fault or defend your behavior; (verb) to make someone free from blame or clear from guilt

ANSWERS: 125. eventually, 126. transition, 127. physicist, 128. progression, 129. functional, 130. resolve, 131. gigantic, 132. neuron, 133. diagnose, 134. invest, 135. excuse

136. im\_\_\_\_\_e the test score      *v.* to make or become better
137. aviation der\_\_\_\_\_ion      *n.* the process of reducing or removing government regulations and restrictions in a particular industry or sector, often to promote competition and reduce costs
138. pr\_\_\_\_\_be a drug      *v.* (of a doctor) to advise and order the use of particular medicine or treatment for someone, especially in writing; to issue commands or orders for something
139. army su\_\_\_\_\_n      *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
140. naval ve\_\_\_\_ls      *n.* a ship or large boat
141. va\_\_\_\_m cleaner      *n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction
142. 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
143. lack of ox\_\_\_\_n      *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
144. ba\_\_\_\_\_th allocation      *n.* the amount of data that can be transmitted or processed at one time often used to describe the capacity of electronic communication or computing systems

ANSWERS: 136. improve, 137. deregulation, 138. prescribe, 139. surgeon, 140. vessel, 141. vacuum, 142. insight, 143. oxygen, 144. bandwidth

145. an ab_____ct noun	<i>adj.</i> based on general ideas, feelings, or qualities and not on any a physical or concrete existence
146. a sk_____al attitude	<i>adj.</i> doubting that something is accurate or useful
147. res_____le for a customer service	<i>adj.</i> answerable or accountable for something within one's power, control, or management
148. de_____te a chapter to the subject	<i>v.</i> to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use
149. neurotic sy_____ms	<i>n.</i> any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
150. the pe_____ve odor of garlic	<i>adj.</i> spreading or existing throughout every part of a thing or place
151. 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
152. juvenile di_____es	<i>n.</i> a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood
153. psy_____gy experiment	<i>n.</i> the scientific study of mind and behavior
154. have ge_____c testing	<i>adj.</i> of or relating to genes (= parts of the DNA in cells) or the science of genes
155. en___e in environmental protection activities	<i>v.</i> to attract and keep someone's attention and interest; to participate in or obtain services of something

ANSWERS: 145. abstract, 146. skeptical, 147. responsible, 148. dedicate, 149. symptom, 150. pervasive, 151. emotion, 152. diabetes, 153. psychology, 154. genetic, 155. engage



156. hi\_\_\_\_\_ht bias *n.* understanding or knowledge that comes after an event has occurred; the ability to perceive or understand events with greater clarity or accuracy in retrospect
157. a sop\_\_\_\_\_ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
158. pr\_\_\_\_\_be in the preceding paragraph *v.* (of a doctor) to advise and order the use of particular medicine or treatment for someone, especially in writing; to issue commands or orders for something
159. a ra\_\_\_\_m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern
160. ex\_\_\_\_\_e in popularity *v.* to burst or break open violently and noisily; to cause something to burst or break open
161. di\_\_\_\_\_e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
162. co\_\_\_\_x cells *n.* the outermost layer of an organ, especially the brain
163. ne\_\_\_\_l stem cells *adj.* of or relating to a nerve or the nervous system that includes the brain
164. a ge\_\_\_\_\_c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
165. fe\_\_h a ball *v.* to go and bring back something or someone; to retrieve or obtain something

ANSWERS: 156. hindsight, 157. sophisticated, 158. prescribe, 159. random, 160. explode, 161. disease, 162. cortex, 163. neural, 164. genetic, 165. fetch

166. people with bipolar di\_\_\_\_\_er      *n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
167. nuclear ph\_\_\_\_\_s      *n.* the science of matter and energy and their interactions
168. lactose res\_\_\_\_\_ed diet      *adj.* limited in extent, number, scope, or action, especially by official rules, laws, etc.
169. a st\_\_\_\_e of the putter      *n.* a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball with a club, racket, etc.
170. psy\_\_\_\_\_gy of crowd      *n.* the scientific study of mind and behavior
171. sk\_\_\_\_\_al scientists      *adj.* doubting that something is accurate or useful
172. sy\_\_\_\_\_ms of low testosterone      *n.* any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
173. t\_\_o-free resume      *n.* a mistake made in typing or the reproduction of a text
174. id\_\_\_\_\_fy gene sequences      *v.* to recognize someone or something and say or prove who or what they are
175. pr\_\_\_\_\_s improvement      *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 166. disorder, 167. physics, 168. restricted, 169. stroke, 170. psychology, 171. skeptical, 172. symptom, 173. typo, 174. identify, 175. process

176. em\_\_\_\_\_al distress *adj.* relating to people's feelings
177. the curved shape of a h\_\_k *n.* a curved device used for suspending, holding, or pulling something, especially one attached to a surface for hanging things on; a sharp curve or crook
178. 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
179. be\_\_\_\_\_h contempt *adv.* in or to a lower place than someone or something
180. healthcare pr\_\_y *n.* a person or entity that is authorized to act on behalf of another person or entity
181. fairly ty\_\_\_\_\_l symptoms *adj.* having the usual characteristics or traits of a specific group of things
182. a good grounding in mat\_\_\_\_\_cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
183. pa\_\_\_\_\_t in the hospital *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
184. at inc\_\_\_\_\_le speed *adj.* unbelievable; enormous
185. re\_\_\_l his name *v.* to remember something
186. estimate pr\_\_\_\_\_e costs *adj.* sharply exact or accurate or delimited
187. reo\_\_\_\_\_ze a department *v.* to change to a more sufficient or suitable form of organization

ANSWERS: 176. emotional, 177. hook, 178. insight, 179. beneath, 180. proxy, 181. typical, 182. mathematics, 183. patient, 184. incredible, 185. recall, 186. precise, 187. reorganize

188. become ess\_\_\_\_\_ly same      *adv.* relating to the essential features or concepts of anything
189. effects of cl\_\_\_\_\_e change      *n.* the weather in a particular location averaged over some long period
190. ca\_\_\_\_r diagnosis      *n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells
191. loss of muscle ti\_\_\_\_e      *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
192. permanent br\_\_n damage      *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
193. in\_\_\_\_t capital      *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
194. do\_\_\_\_l root      *adj.* located on the back, particularly the upper surface of an animal's body; related to or pertaining to the back
195. talented ph\_\_\_\_st      *n.* a scientist who specializes in the field of physics
196. do\_\_\_\_l surface      *adj.* located on the back, particularly the upper surface of an animal's body; related to or pertaining to the back
197. improved student ou\_\_\_\_es      *n.* the result or effect of an action, event, etc.
198. th\_\_\_\_y for a patient      *n.* the act of caring for someone through medication, remedial training, etc.

ANSWERS: 188. essentially, 189. climate, 190. cancer, 191. tissue, 192. brain, 193. invest, 194. dorsal, 195. physicist, 196. dorsal, 197. outcome, 198. therapy

199. vi\_\_\_\_\_ry ideas *adj.* having or showing exceptional foresight and imagination; not practical or realizable; speculative
200. a desirable ou\_\_\_\_\_e *n.* the result or effect of an action, event, etc.
201. the hydrogen binds the ox\_\_\_\_n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
202. ele\_\_\_\_\_phy test *n.* (also "EEG") a diagnostic medical procedure that involves the use of electrodes placed on the scalp to measure and record the electrical activity of the brain often used to assess and diagnose various neurological conditions
203. decision-making pr\_\_\_\_\_s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
204. the\_\_\_\_\_al physicist *adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience
205. al\_\_n with a historical trend *v.* to put or arrange two or more things in a straight line or to form a straight line

ANSWERS: 199. visionary, 200. outcome, 201. oxygen, 202. electroencephalography, 203. process, 204. theoretical, 205. align

206. re\_\_\_\_\_ce by myself      *v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
207. res\_\_\_\_\_le action      *adj.* answerable or accountable for something within one's power, control, or management
208. pro\_\_\_\_\_on of disease      *n.* the act or process of changing to the next stage or phase or moving forward
209. pa\_\_\_\_\_t with weight loss      *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
210. me\_\_\_\_\_al chemistry      *adj.* of or relating to the treatment or cure of disease
211. a qu\_\_\_\_\_r mile      *n.* one of four equal parts; a fourth part or portion
212. en\_\_\_e a new employee      *v.* to attract and keep someone's attention and interest; to participate in or obtain services of something
213. di\_\_\_\_\_se the problem      *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
214. a lunar pr\_\_\_e      *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something

ANSWERS: 206. reproduce, 207. responsible, 208. progression, 209. patient, 210. medicinal, 211. quarter, 212. engage, 213. diagnose, 214. probe

215. tra\_\_\_\_\_on phase *n.* the process or period of changing from one state or circumstance to another
216. sa\_\_\_\_\_al article *adj.* characterized by the use of criticism that ridicules human folly, vices, or weaknesses through humor, irony, or sarcasm
217. benign pa\_\_\_\_\_gy *n.* the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders
218. have a thick sk\_\_l *n.* a bone framework that surrounds the brain and gives the head its shape
219. mic\_\_\_\_\_pe slide *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
220. eve\_\_\_\_\_ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
221. pi\_\_\_e the armored shells *v.* to cut or make a way through with a sharp instrument
222. full of t\_\_os *n.* a mistake made in typing or the reproduction of a text
223. the great di\_\_\_\_\_ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
224. ha\_\_\_\_\_y decent job *adj.* in or at a point midway or an equal distance between two points
225. sl\_\_h a drink *v.* to move the liquid around, usually inside a container, with a splashing or slapping sound; to move clumsily through water or mud

ANSWERS: 215. transition, 216. satirical, 217. pathology, 218. skull, 219. microscope, 220. eventually, 221. pierce, 222. typo, 223. discovery, 224. halfway, 225. slosh

226. a cl\_\_\_\_c experiment *adj.* judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type
227. deg\_\_\_\_\_te into recession *v.* (of a person, animal, or plant) to become worse in health or physical condition
228. excite the ne\_\_\_\_ns *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
229. a cr\_\_y scheme *adj.* stupid or not sensible; very angry
230. fe\_\_h the mail *v.* to go and bring back something or someone; to retrieve or obtain something
231. gi\_\_\_\_\_ic monsters *adj.* extremely large
232. re\_\_\_\_\_ce the painting *v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
233. afraid to show em\_\_\_\_\_n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
234. st\_\_k a key in a lock *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
235. cardiac su\_\_\_\_\_y *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures

ANSWERS: 226. classic, 227. degenerate, 228. neuron, 229. crazy, 230. fetch, 231.



gigantic, 232. reproduce, 233. emotion, 234. stick, 235. surgery

236. die su____ly	<i>adv.</i> quickly and unexpectedly
237. literature of pe_____nt value	<i>adj.</i> lasting for a long time without essential change
238. pe_____nt life insurance	<i>adj.</i> lasting for a long time without essential change
239. guarantee re_____le delivery	<i>adj.</i> worthy of being relied on; trustworthy
240. on an equal ba__s	<i>n.</i> the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
241. pr_____t the future	<i>v.</i> to state beforehand that something will happen in the future, mainly based on knowledge or experience
242. basic br__n function	<i>n.</i> the organ inside the head that is responsible for one's movement, thought, memory, and feeling
243. medical l_b	<i>n.</i> a workplace for the conduct of scientific research; a laboratory
244. ab_____ct science	<i>adj.</i> based on general ideas, feelings, or qualities and not on any a physical or concrete existence
245. reo_____ze his debts	<i>v.</i> to change to a more sufficient or suitable form of organization
246. phy_____ly and mentally	<i>adv.</i> in a way related to a person's body or appearance rather than their mind
247. la__r printer	<i>n.</i> a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

ANSWERS: 236. suddenly, 237. permanent, 238. permanent, 239. reliable, 240. basis, 241. predict, 242. brain, 243. lab, 244. abstract, 245. reorganize, 246. physically, 247. laser

248. a private ind\_\_\_\_\_al                    *n.* a single person or thing, as distinct from a group
249. a water j\_r                                    *n.* a cylindrical container, typically made of glass, metal, or pottery, with a wide mouth and a screwed or sealed lid, used for storing food, liquids, and other materials
250. a facial ti\_\_\_e                              *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
251. an ele\_\_\_\_\_al storm                    *adj.* relating to electricity
252. laws of ph\_\_\_\_\_s                         *n.* the science of matter and energy and their interactions
253. ge\_\_\_\_\_cs discrimination             *n.* the branch of biology that studies genes, genetic variation, and heredity in organisms
254. to a rec\_\_\_\_\_ble degree                *adj.* easy to become aware of or identify

ANSWERS: 248. individual, 249. jar, 250. tissue, 251. electrical, 252. physics, 253. genetics, 254. recognizable

## Session 3: Fill in the Blanks

1. The invention of the camera triggered the development of \_\_\_\_\_ painting.  
*adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
2. She had a master's degree in \_\_\_\_\_.  
*n.* the scientific study of mind and behavior
3. The old building \_\_\_\_\_ in a fiery inferno.  
*v.* to burst or break open violently and noisily; to cause something to burst or break open
4. Her research team made an important \_\_\_\_\_.  
*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
5. I used an optical \_\_\_\_\_ to observe the small organisms in the water sample.  
*n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
6. Marketing strategies are growing more \_\_\_\_\_.  
*adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
7. 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

ANSWERS: 1. abstract, 2. psychology, 3. exploded, 4. discovery, 5. microscope, 6. sophisticated, 7. diagnose

8. We want to \_\_\_\_\_ ties between our two countries.  
*v.* to make or become better
9. Having a \_\_\_\_\_ healthy physique is essential for a great life.  
*adv.* in a way related to a person's body or appearance rather than their mind
10. The \_\_\_\_\_ arrived in port the following day.  
*n.* a ship or large boat
11. Both parties are now entirely ideologically \_\_\_\_\_.  
*v.* to put or arrange two or more things in a straight line or to form a straight line
12. The new CEO was appointed to \_\_\_\_\_ their business.  
*v.* to change to a more sufficient or suitable form of organization
13. The passenger grabbed for the \_\_\_\_\_ mask.  
*n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
14. You \_\_\_\_\_ a bill in the change machine, and the coins pop out.  
*v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
15. The unemployment rate in the first \_\_\_\_\_ was 2.3 percentage points higher than in the previous.  
*n.* one of four equal parts; a fourth part or portion
16. Suspicion and worry were \_\_\_\_\_ in our minds.  
*adj.* spreading or existing throughout every part of a thing or place

ANSWERS: 8. improve, 9. physically, 10. vessel, 11. aligned, 12. reorganize, 13. oxygen, 14. stick, 15. quarter, 16. pervasive

17. Actuators convert \_\_\_\_\_ pulses into motion.

*adj.* relating to electricity

18. The author wrote a powerful \_\_\_\_\_ explaining their motivation for writing the book.

*n.* an introduction or preliminary statement, particularly to a book or other written work, that provides context or sets out the author's purpose or perspective

19. Research shows that damage to the \_\_\_\_\_ cortex leads to increased aggression.

*adj.* in or about the foremost part of the frontal lobe of the brain

20. The surgeon removed the tumor using \_\_\_\_\_ video assistance.

*adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

21. This company \_\_\_\_\_ its battery problem completely.

*v.* to find a suitable answer to the problems or difficulty

22. Breast \_\_\_\_\_ is the most common type of cancer in women.

*n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

23. Trains are \_\_\_\_\_ inexpensive, and ideal for long-distance travel.

*adj.* worthy of being relied on; trustworthy

24. To advance this discussion, we must \_\_\_\_\_ "success" rigorously.

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

ANSWERS: 17. electrical, 18. preface, 19. prefrontal, 20. robotic, 21. resolves, 22. cancer, 23. reliable, 24. define

25. By dividing and creating copies of themselves, bacteria \_\_\_\_\_.
- v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
26. A rainbow is a natural \_\_\_\_\_.
- n.* something that exists and can be perceptible, especially one that is not fully understood
27. Absolute zero is the lowest \_\_\_\_\_ temperature.
- adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience
28. Her response revealed \_\_\_\_\_ idiocy.
- adj.* unbelievable; enormous
29. Understanding protein folding is a vital step in deciphering the \_\_\_\_\_ code.
- adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
30. He \_\_\_\_\_ his life to helping others.
- v.* to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use
31. 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
32. Please hang your towel on a \_\_\_\_\_.
- n.* a curved device used for suspending, holding, or pulling something, especially one attached to a surface for hanging things on; a sharp curve or crook

ANSWERS: 25. reproduce, 26. phenomenon, 27. theoretical, 28. incredible, 29. genetic, 30. dedicated, 31. neuroscience, 32. hook

33. The \_\_\_\_\_ report showed no signs of cancer, giving her family a sense of relief.
- n.* the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders
34. The doctor carefully examined the \_\_\_\_\_ medical history.
- n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
35. She is an \_\_\_\_\_ technician skilled in performing EEG tests on patients.
- n.* (also "EEG") a diagnostic medical procedure that involves the use of electrodes placed on the scalp to measure and record the electrical activity of the brain often used to assess and diagnose various neurological conditions
36. The \_\_\_ machine uses powerful magnets to produce detailed images of the inside of the body.
- n.* (abbreviation for magnetic resonance imaging) a medical imaging technique that uses a strong magnetic field and radio waves to produce detailed images of the inside of the body
37. The corporation \_\_\_\_\_ dominated the entire tobacco business.
- adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
38. Detergent weakens the surface tension at the \_\_\_\_\_ of two liquids.
- n.* (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things

ANSWERS: 33. pathology, 34. patient's, 35. electroencephalography, 36. MRI, 37. eventually, 38. interface



39. The \_\_\_\_\_ patient was experiencing severe auditory hallucinations.  
*n.* a severe mental disorder in which a person has a distorted view of reality and may experience hallucinations, delusions, and disordered thinking and behavior
40. His car was easily \_\_\_\_\_ in the parking lot.  
*adj.* easy to become aware of or identify
41. \_\_\_\_\_ a society is an organism.  
*adv.* relating to the essential features or concepts of anything
42. I noticed a \_\_\_\_\_ in the company's annual report, stating the wrong profit margin.  
*n.* a mistake made in typing or the reproduction of a text
43. A great stretch of the lake lay \_\_\_\_\_ them.  
*adv.* in or to a lower place than someone or something
44. The once-thriving city has \_\_\_\_\_ into a crime-ridden slum.  
*v.* (of a person, animal, or plant) to become worse in health or physical condition
45. This evidence will form the \_\_\_\_\_ for our discussion.  
*n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
46. It's notoriously challenging to \_\_\_\_\_ birth rates.  
*v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
47. The cerebral \_\_\_\_\_ consists of six layers.  
*n.* the outermost layer of an organ, especially the brain

ANSWERS: 39. schizophrenia, 40. recognizable, 41. Essentially, 42. typo, 43. beneath, 44. degenerated, 45. basis, 46. predict, 47. cortex

48. Our body transfers information along each \_\_\_\_\_ using an electrical impulse.
- n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
49. This year's extreme heat has resulted in many heat \_\_\_\_\_ cases.
- n.* a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball with a club, racket, etc.
50. The nation's healthcare system is in \_\_\_\_\_ at the moment.
- n.* the process or period of changing from one state or circumstance to another
51. The company's \_\_\_\_\_ is "Innovation and Service," which is reflected in its products and customer support.
- n.* a phrase or slogan that expresses a guiding principle or goal
52. The government should view children as national assets and actively \_\_\_\_\_ in them.
- v.* to put money, effort, time, etc. into something to make a profit or achieve a result
53. The doctor diagnosed him with a rare \_\_\_\_\_ that had no known cure.
- n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
54. It is important to \_\_\_\_\_ safety procedures in the workplace to prevent accidents.
- v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

ANSWERS: 48. neuron, 49. stroke, 50. transition, 51. motto, 52. invest, 53. disease, 54. observe

55. 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

56. 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

57. Who answers \_\_\_\_\_ knows little.

*adv.* quickly and unexpectedly

58. The mobile phone was still \_\_\_\_\_ even after being dropped.

*adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service

59. He studied the \_\_\_\_\_ of radiation.

*n.* the science of matter and energy and their interactions

60. The famous restaurant stands \_\_\_\_\_ up the hill.

*adj.* in or at a point midway or an equal distance between two points

61. Human \_\_\_\_\_ responses vary widely depending on the society to which they belong.

*adj.* relating to people's feelings

62. He placed the coins in a \_\_\_\_ to save for a trip.

*n.* a cylindrical container, typically made of glass, metal, or pottery, with a wide mouth and a screwed or sealed lid, used for storing food, liquids, and other materials

ANSWERS: 55. diabetes, 56. Alzheimer's, 57. suddenly, 58. functional, 59. physics, 60. halfway, 61. emotional, 62. jar

63. 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
64. The extreme cold \_\_\_\_\_ our bones.
- v.* to cut or make a way through with a sharp instrument
65. I don't have the \_\_\_\_\_ to take on any new projects, as I'm already working on multiple assignments.
- n.* the amount of data that can be transmitted or processed at one time often used to describe the capacity of electronic communication or computing systems
66. The water \_\_\_\_\_ over the edge of the bucket and spilled onto the floor.
- v.* to move the liquid around, usually inside a container, with a splashing or slapping sound; to move clumsily through water or mud
67. Einstein was an outstanding and famous \_\_\_\_\_ of the 20th century.
- n.* a scientist who specializes in the field of physics
68. The government's \_\_\_\_\_ of the telecommunications industry led to increased competition.
- n.* the process of reducing or removing government regulations and restrictions in a particular industry or sector, often to promote competition and reduce costs
69. NASA sent a \_\_\_\_\_ to study the atmosphere of Jupiter.
- n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
70. There was a disturbance of \_\_\_\_\_ function.
- adj.* of or relating to a nerve or the nervous system that includes the brain

ANSWERS: 63. device, 64. pierced, 65. bandwidth, 66. sloshed, 67. physicist, 68. deregulation, 69. probe, 70. neural

71. 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
72. \_\_\_\_\_ symptoms might include a decrease in appetite and weight loss.  
*n.* a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market
73. The content is \_\_\_\_\_ and informative for me.  
*adj.* sharply exact or accurate or delimited
74. 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
75. His \_\_\_\_\_ showed highly positive results.  
*n.* the scientific test conducted to observe what happens and gain new knowledge
76. This page \_\_\_\_\_ our response planning for an emergency.  
*v.* to describe the main facts or aspects involved in something
77. To find drunk drivers, police conduct \_\_\_\_\_ tests.  
*adj.* made, done, or happening without method, conscious decision, or any regular pattern
78. His religious and philosophical beliefs were utterly \_\_\_\_\_.  
*adj.* doubting that something is accurate or useful

ANSWERS: 71. emotions, 72. Depression, 73. precise, 74. insights, 75. experiments, 76. outlines, 77. random, 78. skeptical

79. The company has made great strides in its \_\_\_\_\_ toward sustainability.  
*n.* the act or process of changing to the next stage or phase or moving forward
80. She couldn't \_\_\_\_\_ whether to order the pizza or the pasta for dinner.  
*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
81. The \_\_\_\_\_ for applying for a visa can be lengthy and complicated.  
*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
82. The \_\_\_\_\_ cartoon poked fun at the politicians in a clever way.  
*adj.* characterized by the use of criticism that ridicules human folly, vices, or weaknesses through humor, irony, or sarcasm
83. She vividly \_\_\_\_\_ getting laid off several years ago.  
*v.* to remember something
84. The rain and thunder are \_\_\_\_\_ today.  
*adj.* stupid or not sensible; very angry
85. The country has designated our products as \_\_\_\_\_ import goods.  
*adj.* limited in extent, number, scope, or action, especially by official rules, laws, etc.
86. He quickly fabricated an \_\_\_\_\_ for not attending the meeting.  
*n.* a reason or explanation, either true or invented, given to justify a fault or defend your behavior; (verb) to make someone free from blame or clear from guilt

ANSWERS: 79. progression, 80. decide, 81. process, 82. satirical, 83. recalls, 84. crazy, 85. restricted, 86. excuse

87. Several military \_\_\_\_\_ programs have become popular methods of exercise.  
*n.* a tool or machine used for making round holes or driving fasteners; a training or practice
88. Please use the \_\_\_\_\_ to clean up the mess on the floor.  
*n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction
89. The doctor prescribed some medicine for the mental \_\_\_\_\_.  
*n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
90. \_\_\_\_\_ and weather have an impact on every part of our lifestyles.  
*n.* the weather in a particular location averaged over some long period
91. The exam was \_\_\_\_\_ tricky for everyone.  
*adv.* in a way that causes amazement or wonder
92. Necessity is the mother of \_\_\_\_\_.  
*n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
93. I underwent aversion \_\_\_\_\_ for my addiction to alcohol.  
*n.* the act of caring for someone through medication, remedial training, etc.
94. He is a specialist in the \_\_\_\_\_ of aging.  
*n.* the branch of biology that studies genes, genetic variation, and heredity in organisms

ANSWERS: 87. drill, 88. vacuum, 89. disorder, 90. Climate, 91. surprisingly, 92. invention, 93. therapy, 94. genetics

95. The engine did not start because the \_\_\_\_\_ was flat.
- n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
96. I will introduce you to how to \_\_\_\_\_ the leading causes of the malfunction.
- v.* to recognize someone or something and say or prove who or what they are
97. In \_\_\_\_\_ I wish I had made a different decision.
- n.* a review or analysis of past events, particularly to gain insight or understanding; a consideration of something that has already occurred or been accomplished
98. 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
99. The \_\_\_\_\_ properties of this herb have been known to help with various ailments.
- adj.* of or relating to the treatment or cure of disease
100. The patient displays a \_\_\_\_\_ of a side effect.
- n.* any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
101. Federal bankruptcy laws \_\_\_\_\_ the reorganization process.
- v.* (of a doctor) to advise and order the use of particular medicine or treatment for someone, especially in writing; to issue commands or orders for something
102. He is a skilled \_\_\_\_\_ that has many years of training and experience.
- n.* a doctor who is trained to perform medical operations that involve cutting open a person's body

ANSWERS: 95. battery, 96. identify, 97. retrospect, 98. brain, 99. medicinal, 100. symptom, 101. prescribed, 102. surgeon



103. With \_\_\_\_\_ we can see that investing in that company was a mistake.  
*n.* understanding or knowledge that comes after an event has occurred; the ability to perceive or understand events with greater clarity or accuracy in retrospect
104. This company has invested heavily in Internet \_\_\_\_\_.  
*n.* the activity of buying and selling things, especially on a large scale
105. He had undergone heart \_\_\_\_\_ years before.  
*n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
106. The \_\_\_\_\_ team worked quickly to save the patient's life.  
*adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
107. Inspectors noticed \_\_\_\_\_ cracks in the submarine's hull.  
*adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
108. The abuse of \_\_\_\_\_ can have serious and long-lasting health effects.  
*n.* a synthetic stimulant drug that affects the central nervous system, typically prescribed to treat conditions such as attention deficit hyperactivity disorder (ADHD) and narcolepsy, known to increase alertness, focus, and energy levels
109. The Prime Minister will pay a courtesy visit to the Nobel laureate's \_\_\_\_\_.  
*n.* a workplace for the conduct of scientific research; a laboratory
110. She's a \_\_\_\_\_ pet owner who ensures her dog gets enough exercise and a healthy diet.  
*adj.* answerable or accountable for something within one's power, control, or management

ANSWERS: 103. hindsight, 104. commerce, 105. surgery, 106. medical, 107. microscopic, 108. amphetamine, 109. lab, 110. responsible

111. It is important to place the \_\_\_\_\_ in the correct position for accurate electro-cardiogram recording.
- n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
112. He has a flair for \_\_\_\_\_.
- n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
113. He was so hungry from the long journey that he had a \_\_\_\_\_ appetite.
- adj.* extremely large
114. 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
115. The researcher separated the nervous \_\_\_\_\_ for microscopic examinations.
- n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
116. The company holds patents on core components of \_\_\_\_\_ jet printers.
- n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
117. She voted by \_\_\_\_\_ because she was unable to attend in person.
- n.* a person or entity that is authorized to act on behalf of another person or entity
118. She is searching for a \_\_\_\_\_ residence.
- adj.* lasting for a long time without essential change

ANSWERS: 111. electrodes, 112. mathematics, 113. gigantic, 114. engaged, 115. tissue, 116. laser, 117. proxy, 118. permanent

119. The shark's \_\_\_\_\_ fin is a distinguishing feature.

*adj.* located on the back, particularly the upper surface of an animal's body; related to or pertaining to the back

120. As an \_\_\_\_\_ he had the right to make his own decisions and live his life as he saw fit.

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

121. He displayed the \_\_\_\_\_ symptoms of depression.

*adj.* judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type

122. Could you help me \_\_\_\_\_ the ball from the other side of the field?

*v.* to go and bring back something or someone; to retrieve or obtain something

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

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

124. The \_\_\_\_\_ leader had a clear plan for the company's future.

*adj.* having or showing exceptional foresight and imagination; not practical or realizable; speculative

125. Archaeologists found a Neanderthal \_\_\_\_\_ at that historic site.

*n.* a bone framework that surrounds the brain and gives the head its shape

126. They awaited news of the \_\_\_\_\_ of the election.

*n.* the result or effect of an action, event, etc.

127. You can be more \_\_\_\_\_ and creative in your approach.

*adj.* able to change or be changed to suit new conditions or situations; able to bend easily

ANSWERS: 119. dorsal, 120. individual, 121. classic, 122. fetch, 123. typical, 124. visionary, 125. skull, 126. outcome, 127. flexible

ANSWERS: