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Miguel Nicolelis: A monkey that controls a robot with its thoughts. No, really. | TED Talk

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

All Words

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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**.

colleague

n. one of a group of a coworker, especially in a profession or a business

synonym: coworker, associate, fellow

(1) collaborate with **colleagues**, (2) former **colleague**

I decided to seek counseling on the advice of my **colleague**.

chase

v. to pursue something or someone to catch or capture them; to go after something vigorously or with determination; (noun) a pursuit or a hunt; a narrow groove or channel cut into a surface, often used for decorative purposes

synonym: pursue, hunt, track

(1) **chase** a dream, (2) wild goose **chase**

The police officer **chased** the suspect through the crowded streets until they finally caught him.

brainstorming

n. a group activity or business method in which a group of people meet and think about something at the same time to solve a problem or to create good ideas

(1) **brainstorming** session, (2) do a **brainstorming** about a new product

Many companies employ **brainstorming** as a good way of generating innovative ideas.

introduction

n. a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

synonym: initiation, preamble, prologue

(1) **introduction** education, (2) self- **introduction**

The **introduction** to the new class was informative and engaging.

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.

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**.

simultaneously

adv. at the same time

synonym: concurrently, coincidentally, together

(1) **simultaneously** affected, (2) take several inputs

simultaneously

Two students answered the teacher's question

simultaneously.

electrical

adj. relating to electricity

(1) an **electrical** storm, (2) degree in **electrical** engineering
Actuators convert **electrical** pulses into motion.

spark

v. to start something or make it grow, especially suddenly;
to emit a tiny piece of fire or electricity

synonym: start, inspire, provoke

(1) **spark** his interest, (2) **spark** a chain reaction

The bankruptcy of the giant conglomerate **sparked** turmoil in the stock market.

snippet

n. a small piece or brief extract of something

synonym: fragment, excerpt, brief

(1) **snippet** of wisdom, (2) code **snippet**

The journalist saved a **snippet** of the interview for later reference.

astronomer

n. a physicist who studies astronomy

synonym: stargazer, cosmologist, astrophysicist

(1) amateur **astronomer**, (2) solar **astronomer**

This question has fascinated solar **astronomers** for decades.

comparable

adj. able to link the similarities or differences with others;
similar or equivalent to someone or something

synonym: equal, commensurate, similar

(1) **comparable** sales, (2) a **comparable** amount of energy

Humans and apes have **comparable** anatomical structures.

galaxy

n. an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity

synonym: star cluster, nebula, star system

(1) elliptic **galaxy**, (2) a **galaxy** of famous actors

The Milky Way **galaxy** has numerous water-bearing planets.

universe

n. everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

synonym : cosmos, macrocosm

(1) theory of the **universe**, (2) expansion of the **universe**

The **universe** is about 13.8 billion years old.

fundamental

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

synonym : basic, essential, entire

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

Human behavior has **fundamental** characteristics.

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.

roll

v. to move in a particular direction by turning over and over or from side to side

synonym : spin, swirl, wheel

(1) **roll** a ball, (2) **roll** down his cheeks

He was exhausted and **rolled** into bed as soon as he got home.

valley

n. a long depression on the surface of the land, which typically contains a river

synonym : canyon, gorge, dale

(1) **valley** bottom, (2) basin-shaped **valley**

The **valley** had received a mild snowfall the previous week.

toil

v. to work hard and persistently; to engage in physically or mentally demanding tasks or activities for extended periods of time

synonym : struggle, labor, work hard

(1) **toil** to make a living, (2) **toil** up the mountain

The farmers **toiled** in the fields, harvesting the crops before

the start of the rainy season.

popcorn

n. a type of corn that expands and puffs up when heated, often used for making a snack

synonym: popped corn, puffed corn, corn kernels

(1) a **popcorn** vendor, (2) **popcorn** kernels

We popped some **popcorn** and settled in to watch a movie.

tune

n. a musical composition or set of musical notes that are played or sung; (verb) to adjust or set something to a specific condition or standard

synonym: melody, harmony, (verb) adjust

(1) the **tune** of a song, (2) **tune** a piano

The band played a beautiful **tune** on their instruments.

loudspeaker

n. an electronic device that amplifies sound, typically used to address a large audience or to play music or other audio content in public areas

synonym: speaker, loudhailer, megaphone

(1) wireless **loudspeaker**, (2) **loudspeaker** system

The teacher spoke through the **loudspeaker** so that every student could hear the announcement.

symphony

n. a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements

synonym: orchestra, harmony, concert

(1) a **symphony** orchestra, (2) a beautiful **symphony**

The frequent performances of the **symphony** prove its popularity.

extract

n. a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

synonym: excerpt, quote, distillation

(1) a brief **extract** from the book, (2) botanical **extract**

Anesthetize the gum before **extracting** the teeth.

preparation

n. the activity of getting ready for something or making something ready

synonym: practice, trial, rehearsal

(1) a **preparation** program, (2) the **preparation** of meals
He helped me with the **preparation** of this book.

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.

scheme

n. an organized and often large-scale plan or arrangement for doing something

synonym: strategy, blueprint, plan

(1) a pilot **scheme**, (2) draw out a **scheme**

They carefully executed the well-planned **scheme** they had prepared over the years.

motor

n. a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work

synonym: actuator, engine, machine

(1) a **motor** mechanic, (2) DC **motor** control

Energy-efficient **motors** are needed to maximize the cruising distance of electric vehicles.

embedded

adj. fixed firmly into the surface of something

synonym: ingrained, implanted, inserted

(1) **embedded** systems, (2) LED- **embedded** glass

The **embedded** chip in my credit card allows me to make contactless payments.

translate

v. to convert or change words into another language
synonym: convert, transcribe, render

(1) **translate** a document into English, (2) **translate** the emotion to a movement

Translate the text from Italian into English.

digital

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

synonym: numerical, computerized, cyber

(1) a **digital** watch, (2) **digital** electronic signature

Sensors convert physical phenomena into **digital** signals.

command

n. authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (*v.*) to give an authoritative order or instruction, or to be in charge or control of something

synonym: control, authority, leadership

(1) **command** and control, (2) **command** a battery

The general gave a **command** to his troops to prepare for battle.

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.

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**.

voluntary

adj. done of one's own free will; without being forced or coerced

synonym: voluntary, self-willed, spontaneous

(1) **voluntary** action, (2) **voluntary** participation

The program is **voluntary**, so participants can choose whether or not to take part.

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.

mechanical

adj. operated by a machine, relating to or concerned with machinery or tools

synonym: machinelike, automated, automatic

(1) a **mechanical** style of writing, (2) the influence of **mechanical** action

A **mechanical** engineer is still in demand in many companies.

computation

n. the act or process of calculating something, especially an answer or amount, by using a machine or calculator

synonym: calculation, estimation, arithmetic

(1) parallel **computation**, (2) theory of **computation**

The researcher demonstrated the superiority of quantum **computation** in several mathematical tasks.

actuate

v. to cause a machine or equipment to start to work

synonym: motivate, spark, drive

(1) **actuate** the circuits, (2) **actuate** a parking brake

A desire for success **actuated** her.

machinery

n. a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something

synonym: apparatus, appliance, equipment

(1) heavy **machinery**, (2) inactive **machinery**

The **machinery** of audit formally issued a business improvement order.

superstar

n. a very famous and successful performer or athlete

synonym: celebrity, icon, megastar

(1) **superstar** athlete, (2) jazz **superstar**

She is a **superstar** in the music industry.

aurora

n. a natural appearance of colored light in Earth's sky that is usually seen in high-latitude regions, especially around the Arctic and Antarctic

(1) **aurora** watching, (2) polar **aurora**

Northern and southern hemispheres alike experience the **aurora**.

primate

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

synonym: ape, monkey, lemur

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

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

cheat

v. to act dishonestly or unfairly to gain an advantage or to deceive someone; to break the rules or laws

synonym: deceive, swindle, defraud

(1) **cheat** on my taxes, (2) **cheat** in a game

Even though he knew it was wrong, he **cheated** on the exam.

suppose

v. to think that something is likely to be actual or possible

synonym: guess, assume, presume

(1) **suppose** you're right, (2) **suppose** beforehand

What do you **suppose** the culprit's motive was?

cursor

n. a visual representation on a computer screen that is controlled by a mouse or other pointing device and is used to indicate where the next action or input will occur, typically in the form of an arrow or other icon

synonym : pointer, indicator, marker

(1) **cursor** movement, (2) blinking **cursor**

The **cursor** on a map app shows your location and allows you to navigate.

movement

n. a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

synonym : motion, progression, action

(1) a circular **movement**, (2) **movement** of troops

The **movement** of the dancers on stage was graceful and elegant.

interference

n. the act or process of getting involved in and trying to influence a specific situation; the state of being affected and influenced with

synonym : obstruction, hindrance, impedance

(1) officious **interference**, (2) **interference** wave

Unfortunately, the radio **interference** made it difficult to hear the broadcast.

shock

n. a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant

synonym : amazement, surprise, stunner

(1) death from **shock**, (2) **shock-resistant**

He got an electric **shock** at work.

trajectory

n. the curved path followed by an object moving through space

synonym :

course, curve, orbit

(1) career **trajectory**, (2) a **trajectory** missile

The company has shown an excellent growth **trajectory** over the years.

intention

n. something you want to do and are going to do

synonym: purpose, connotation, will

(1) **intention** behind his decision, (2) clear **intention**

Our CEO's **intentions** are always transparent and straightforward.

domain

n. a specific sphere of influence or control; a specific field of knowledge or expertise

synonym: territory, realm, sphere

(1) **domain** of use, (2) a dependent **domain**

The company's **domain** in the market was expanding to new territories.

crave

v. to have a strong desire for something; to long for or want intensely

synonym: desire, yearn, long for

(1) **crave** chocolate, (2) **crave** advice from others

She **craves** success and is always pushing herself to do better.

acquire

v. to buy or obtain something such as an asset, object, knowledge, etc., for oneself

synonym: attain, earn, catch

(1) **acquire** knowledge, (2) **acquire** a new company

Children **acquire** language at a fantastic rate.

biology

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

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

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

scratch

v. to cut or damage the surface of something or the skin with a sharp or pointed object

synonym: claw, rub, scrape

(1) **scratch** off a name, (2) **scratch** my signature

Don't **scratch** your mosquito bites.

incorporate

v. to include something as a part of a larger entity

synonym: contain, integrate, amalgamate

(1) **incorporate** the current trends, (2) **incorporate** technology into daily life

We will attempt to **incorporate** some of your suggestions into our future strategy.

extension

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

synonym: addition, augment, supplement

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

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

expand

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

synonym: extend, grow, boost

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

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

avatar

n. (the concept in Hinduism) a god appearing in human or superhuman or animal form; a graphical representation of a user or the user's character or persona in online games, chat rooms, etc.

synonym: embodiment, expression, apotheosis

(1) digital **avatar**, (2) the **avatar** of the authority

A person's cyberspace **avatar** often represents the appearance and behavior that the person wants to be.

interact

v. to communicate or react with somebody

synonym: cooperate, combine, collaborate

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

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

assume

v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

synonym: guess, presume, suppose

(1) **assume** a lousy attitude to his boss, (2) **assume** an important role

The following example **assumes** that the capacity of each battery is the same.

virtual

adj. being actually such in almost every respect; existing in essence or effect though not in actual fact

synonym: practical

(1) a **virtual** image, (2) trading of **virtual** currencies

She is the **virtual** president of the company.

perspective

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

synonym: viewpoint, standpoint, outlook

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

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

visual

adj. relating to seeing or sight

synonym: optical, graphical, visible

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

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

identical

adj. being the exact same one

synonym: duplicate, exact, analogous

(1) pair of **identical** twins, (2) an **identical** equation

Infant formulas are nutritionally almost **identical** to a mother's

breast milk.

proportion

n. a part, share, or amount of something considered in comparative relation to a whole

synonym: ratio, balance, consonance

(1) direct **proportion**, (2) a building of vast **proportions**

He is more concerned about the **proportion** of his body fat than usual because of an upcoming bodybuilding competition.

tactile

adj. relating to the sense of touch; tangible or perceptible through the sense of touch

synonym: touchable, tangible, palpable

(1) **tactile** stimulation, (2) **tactile** feedback

The **tactile** sensation of the fabric was soft and smooth to the touch.

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.

pathway

n. a track that constitutes or serves as a path; an approach or a way of doing something

synonym: route, footpath, trail

(1) **pathway** to understanding, (2) cellular signaling **pathways**

When the first molecule in the **pathway** receives a signal, it activates other molecules.

reward

n. a thing given in acknowledgment of service, hard work, achievement, etc.

synonym: compensation, gratuity, bonus

(1) the **reward** for good works, (2) shopping **rewards** cards
Night fishing has a lot of **rewards**.

constraint

n. a limit or restriction on something, such as an action, behavior, or thought

synonym: limitation, restriction, bound

(1) **constraint** on business activity, (2) strict time **constraints**

The budget **constraint** forced them to make difficult decisions.

perception

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

synonym: understanding, idea, awareness

(1) keen **perception**, (2) **perception** of a stimulus

He is a man admired for the depth of his **perception**.

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.

associate

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

synonym: tie in, link, consociate

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

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

legend

n. an old story that may or may not be accurate regarding some persons and events; a well-known person who is admired by others for a long time, particularly in a particular field

synonym : fable, fiction, myth

(1) basketball **legend**, (2) **legend** of King Arthur

Many of the **legends** of the famous general came about hundreds of years after his death.

shifting

adj. constantly changing or moving

synonym : unfirm, shifty, fluctuating

(1) **shifting** balance, (2) continuously **shifting** landscape

Trends in the fashion industry are so **shifting** that it is challenging to keep up with them.

discriminate

v. to treat a person or particular group of people worse or better than another, especially in an unfair way; to recognize or perceive the difference between people or things

synonym : show prejudice, segregate, differentiate

(1) **discriminate** against women employees,

(2) **discriminate** between different things

You should not **discriminate** against minorities.

panel

n. a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

synonym : board, commission, discussion

(1) **panel** discussion, (2) cost of solar **panels**

A **panel** of economic advisers from the United States visited the country to help rebuild its economy.

alignment

n. an arrangement in which two or more elements are placed in a straight line or parallel to each other

synonym : conjunction, arrangement, coalition

(1) **alignment** in an organization, (2) be in **alignment**

In the last century, Britain formed a strong **alignment** with Egypt.

physiology

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

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

Physiology is the science of how living things work.

reset

v. to set again or differently; to return to a previous state or condition

synonym: restart, reinitialize, set anew

(1) **reset** password, (2) **reset** my brain

She **reset** the computer to fix the problem.

shift

n. a slight transition in position, direction, or trend

synonym: transition, change, modification

(1) Doppler **shift**, (2) major paradigm **shift**

Could you help me **shift** some furniture?

represent

v. to speak, act, or be present on behalf of another person or group; to form or constitute

synonym: depict, express, describe

(1) **represent** by a diagram, (2) the characters that **represent** numbers

We elected him to **represent** us at the international conference.

assimilate

v. to take in and understand information or ideas; to integrate

synonym: absorb, incorporate, integrate

(1) **assimilate** into society, (2) **assimilate** a language

The immigrant struggled to **assimilate** into the new culture.

epithelial

adj. relating to the layer of cells that covers the majority of the body's surfaces

(1) **epithelial** surface, (2) **epithelial** layer

The majority of cells in the lung are **epithelial** cells.

electron

n. a tiny particle with the negative electrical charge

synonym: negatron

(1) flow of **electrons**, (2) beam of **electrons**

The outermost **electron** shell determines the chemical properties of an atom.

violin

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

synonym: fiddle

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

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

voracious

adj. having a very strong appetite or desire for something, especially for food or activity; extremely eager or enthusiastic for something

synonym: ravenous, insatiable, greedy

(1) **voracious** thirst, (2) **voracious** reader

The **voracious** appetite of the teenager was legendary.

amazing

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

synonym: exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling

The golfer recorded an **amazing** distance.

dynamic

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

synonym: energetic, active, vital

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

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

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.

treadmill

n. a piece of exercise equipment consisting of a moving belt on which the user walks, jogs, or runs in place; a monotonous, repetitive task or activity that feels like it is going nowhere, much like a person walking on a treadmill

synonym: exercise machine, routine

(1) **treadmill** workout, (2) nonstop **treadmill**

I like to watch TV while running on the **treadmill** to pass the time.

statistics

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

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

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

humanoid

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

synonym: android, anthropomorphic

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

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

laboratory

n. a workplace for doing scientific research or teaching science; a lab

synonym: lab, workshop, testing room

(1) **laboratory** accident, (2) anthropology **laboratory**

Animal protection groups call for an end to animal testing in a **laboratory**.

transmit

v. to send or forward an electronic signal; to pass something from one person or thing to another

synonym: convey, share, dispatch

(1) **transmit** the disease, (2) **transmit** information

Parents often **transmit** their characteristics to their children.

planet

n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

synonym : earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**

Mercury is the closest **planet** to the sun.

globe

n. the earth or world, mainly used to emphasize its vastness

synonym : Earth, world, sphere

(1) terrestrial **globe**, (2) around the **globe**

His final goal is to sail around the **globe**.

autonomous

adj. capable of governing or controlling its affairs

synonym : independent, self-governing, self-reliant

(1) development of **autonomous** vehicles, (2) an **autonomous** judiciary

Five of the six provinces will become **autonomous** regions under the new federal system of government.

fulfill

v. to meet the requirements or expectations; to achieve or realize

synonym : satisfy, complete, accomplish

(1) **fulfill** a contract, (2) **fulfill** a lifetime dream

It was the first time for her, but she **fulfilled** the role of Priest.

severe

adj. extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

synonym : harsh, relentless, powerful

(1) **severe** heat, (2) a **severe** case of pneumonia

The senator received **severe** criticism from his opponent.

neurological

adj. of or relating to the science of neurology or the nervous system

synonym : nervous, neural, brain-related

(1) fever with **neurological** signs, (2) **neurological** symptoms

The patient was diagnosed with a **neurological** disorder affecting their motor skills.

barrier

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

synonym : border, barricade, fence

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

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

lesion

n. a damaged or abnormal area of tissue in the body, usually caused by injury or disease

synonym : injury, wound, damage

(1) muscle **lesion**, (2) brain **lesion**

The doctor examined the **lesion** on the patient's skin to determine if it was cancerous.

spinal

adj. of or relating to the spine (= the long bone in the body's back)

(1) **spinal** injury, (2) brain and **spinal** cord

The surgeon carefully confirmed how to remove the tumor to avoid damaging the **spinal** nerves.

cord

n. a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment

synonym : wire, cable, string

(1) spinal **cord**, (2) electrical **cord**

Your spinal **cord** is located deep within your body.

bypass

n. an alternative road, channel, pipe, or connection that allows flow while the main one is closed or obstructed; (verb) to go past or round

(1) gastric **bypass** operation, (2) **bypass** circuit

This patient must undergo **bypass** surgery.

large-scale

adj. involving many people or things and involving a lot of change or activity

synonym : big, massive, grand

(1) **large-scale** project, (2) **large-scale** agriculture

The company is planning to make a **large-scale** expansion of its factory.

desire

n. a strong feeling of wanting to have or do something

synonym : ambition, appetite, greed

(1) unsatisfied **desire**, (2) fleshly **desire**

Low sexual **desire** typically correlates with low testosterone levels.

engineer

n. a person whose job is designing, building, or maintaining something such as machines, structures, or software

synonym : architect, creator, builder

(1) a civil **engineer**, (2) **engineer** shortage

The **engineer** will repair my telephone tomorrow morning.

exoskeleton

n. a hard, external protective covering or framework that supports and gives shape to the body of an invertebrate animal, such as an insect or crab

synonym : chitin, exocuticle, carapace

(1) **exoskeleton** suit, (2) robotic **exoskeleton**

The **exoskeleton** of the crab protects it from predators and environmental changes.

suit

n. a set of clothes that are made from the same material; a claim or complaint that a person or organization can file in court against another party; (verb) to be fit or acceptable for

synonym : clothes, lawsuit, (verb) fit

(1) **suit** and tie restaurant, (2) **suit** at law

Six **suits** are awaiting trial or verdict.

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.

consortium

n. a group or association of individuals, organizations, or businesses that come together for a common purpose or goal

synonym: partnership, association, alliance

(1) **consortium** agreement, (2) academic **consortium**

The **consortium** of companies pooled their resources to fund the project.

nonprofit

adj. not established for commercial profit

synonym: charitable

(1) a **nonprofit** organization, (2) **nonprofit** agency

Our law firm also focuses on **nonprofit** activities.

mechanism

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

synonym: means, method, system

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

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

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.

hire

v. to give somebody a job

synonym: employ, engage, lease

(1) **hire** a guide, (2) **hire** a car by the hour

We should always be prepared to **hire** talented recruits.

captain

n. the leader of a group of people, especially who is in charge of a ship or aircraft

synonym: boss, director, leader

(1) the **captain** of an opposing team, (2) **captain** of industry

The **captain** ordered the troops to fire.

proficient

adj. having a high level of skill or knowledge in a particular area

synonym: expert, skilled, adept

(1) **proficient** speaker, (2) **proficient** skill

She is **proficient** in Spanish and can communicate fluently.

Session 2: Spelling

1. t__e a piano *n.* a musical composition or set of musical notes that are played or sung; (verb) to adjust or set something to a specific condition or standard

2. r__l a ball *v.* to move in a particular direction by turning over and over or from side to side

3. jazz su_____ar *n.* a very famous and successful performer or athlete

4. em_____ed systems *adj.* fixed firmly into the surface of something

5. 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

6. lar_____le project *adj.* involving many people or things and involving a lot of change or activity

7. pa__l discussion *n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

8. cr__e advice from others *v.* to have a strong desire for something; to long for or want intensely

9. blinking cu____r *n.* a visual representation on a computer screen that is controlled by a mouse or other pointing device and is used to indicate where the next action or input will occur, typically in the form of an arrow or other icon

ANSWERS: 1. tune, 2. roll, 3. superstar, 4. embedded, 5. interface, 6. large-scale, 7. panel, 8. crave, 9. cursor

10. defense me_____sm *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
11. electronic de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
12. co_____d and control *n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something
13. degree in ele_____al engineering *adj.* relating to electricity
14. spinal c__d *n.* a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment
15. ta_____e stimulation *adj.* relating to the sense of touch; tangible or perceptible through the sense of touch
16. di_____l electronic signature *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
17. de___e my position *v.* to state or explain precisely the nature, scope, or meaning of something

ANSWERS: 10. mechanism, 11. device, 12. command, 13. electrical, 14. cord, 15. tactile, 16. digital, 17. define

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|-----------------------------------|------|---|
| 18. h__e a car by the hour | v. | to give somebody a job |
| 19. as_____te with people widely | v. | to mentally connect someone or something with someone or something else |
| 20. neu_____cal symptoms | adj. | of or relating to the science of neurology or the nervous system |
| 21. beam of el_____ons | n. | a tiny particle with the negative electrical charge |
| 22. inc_____te the current trends | v. | to include something as a part of a larger entity |
| 23. cellular signaling pa_____ys | n. | a track that constitutes or serves as a path; an approach or a way of doing something |
| 24. phy_____gy research | n. | the branch of the biological sciences dealing with the functioning of organisms |
| 25. clear in_____on | n. | something you want to do and are going to do |
| 26. career tra_____ry | n. | the curved path followed by an object moving through space |
| 27. pro_____nt skill | adj. | having a high level of skill or knowledge in a particular area |
| 28. draw out a sc_____e | n. | an organized and often large-scale plan or arrangement for doing something |
| 29. Doppler sh__t | n. | a slight transition in position, direction, or trend |
| 30. hu_____id hand | n. | a machine or creature that has a body shape similar to that of a human |

ANSWERS: 18. hire, 19. associate, 20. neurological, 21. electron, 22. incorporate, 23. pathway, 24. physiology, 25. intention, 26. trajectory, 27. proficient, 28. scheme, 29. shift, 30. humanoid

31. theory of com_____on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator
32. the re___d for good works *n.* a thing given in acknowledgment of service, hard work, achievement, etc.
33. a di_____l watch *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
34. ex___d agricultural output *v.* to increase or to make something greater in size, number, or importance
35. no_____it agency *adj.* not established for commercial profit
36. terrestrial gl___e *n.* the earth or world, mainly used to emphasize its vastness
37. the pre_____on of meals *n.* the activity of getting ready for something or making something ready
38. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
39. development of aut_____us vehicles *adj.* capable of governing or controlling its affairs
40. solar ast_____er *n.* a physicist who studies astronomy
41. tracking de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
42. sp___k a chain reaction *v.* to start something or make it grow, especially suddenly; to emit a tiny piece of fire or electricity

ANSWERS: 31. computation, 32. reward, 33. digital, 34. expand, 35. nonprofit, 36. globe, 37. preparation, 38. amazing, 39. autonomous, 40. astronomer, 41. device, 42. spark

43. the per_____ve of the battle *n.* a confident attitude toward something; a particular style of thinking about something
44. pro_____nt speaker *adj.* having a high level of skill or knowledge in a particular area
45. do a bra_____ing about a new product *n.* a group activity or business method in which a group of people meet and think about something at the same time to solve a problem or to create good ideas
46. cr__y about cars and racing *adj.* stupid or not sensible; very angry
47. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
48. tr_____it the disease *v.* to send or forward an electronic signal; to pass something from one person or thing to another
49. se___e heat *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
50. expansion of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
51. the t__e of a song *n.* a musical composition or set of musical notes that are played or sung; (verb) to adjust or set something to a specific condition or standard
52. 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: 43. perspective, 44. proficient, 45. brainstorming, 46. crazy, 47. brain, 48. transmit, 49. severe, 50. universe, 51. tune, 52. process

62. tr_____ll workout *n.* a piece of exercise equipment consisting of a moving belt on which the user walks, jogs, or runs in place; a monotonous, repetitive task or activity that feels like it is going nowhere, much like a person walking on a treadmill
63. vo_____us thirst *adj.* having a very strong appetite or desire for something, especially for food or activity; extremely eager or enthusiastic for something
64. as____e an important role *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
65. ch__t on my taxes *v.* to act dishonestly or unfairly to gain an advantage or to deceive someone; to break the rules or laws
66. anthropology lab_____ry *n.* a workplace for doing scientific research or teaching science; a lab
67. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
68. an id_____al equation *adj.* being the exact same one
69. a theoretical concept in neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
70. ac____e a parking brake *v.* to cause a machine or equipment to start to work
71. the characters that re_____nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute

ANSWERS: 62. treadmill, 63. voracious, 64. assume, 65. cheat, 66. laboratory, 67. biology, 68. identical, 69. neuroscience, 70. actuate, 71. represent

72. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
73. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
74. su___e you're right *v.* to think that something is likely to be actual or possible
75. ca___n of industry *n.* the leader of a group of people, especially who is in charge of a ship or aircraft
76. hu___id design *n.* a machine or creature that has a body shape similar to that of a human
77. inactive ma_____ry *n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
78. 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
79. flow of el___ons *n.* a tiny particle with the negative electrical charge
80. cost of solar pa__ls *n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

ANSWERS: 72. decide, 73. fundamental, 74. suppose, 75. captain, 76. humanoid, 77. machinery, 78. patient, 79. electron, 80. panel

81. the ca____n of an opposing team *n.* the leader of a group of people, especially who is in charge of a ship or aircraft
82. vo_____ry action *adj.* done of one's own free will; without being forced or coerced
83. sim_____sly affected *adv.* at the same time
84. pl___t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
85. sp__k his interest *v.* to start something or make it grow, especially suddenly; to emit a tiny piece of fire or electricity
86. brain le___n *n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease
87. ass_____te into society *v.* to take in and understand information or ideas; to integrate
88. take several inputs sim_____sly *adv.* at the same time
89. ass_____te a language *v.* to take in and understand information or ideas; to integrate
90. as_____te alcohol with gambling *v.* to mentally connect someone or something with someone or something else
91. a po_____n vendor *n.* a type of corn that expands and puffs up when heated, often used for making a snack
92. dis_____ate between different things *v.* to treat a person or particular group of people worse or better than another, especially in an unfair way; to recognize or perceive the difference between people or things

ANSWERS: 81. captain, 82. voluntary, 83. simultaneously, 84. planet, 85. spark, 86. lesion, 87. assimilate, 88. simultaneously, 89. assimilate, 90. associate, 91. popcorn, 92. discriminate

93. dy____c person *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
94. self-int_____ion *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
95. a brief ex_____t from the book *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
96. re_____nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
97. the influence of mec_____al action *adj.* operated by a machine, relating to or concerned with machinery or tools
98. int_____nce wave *n.* the act or process of getting involved in and trying to influence a specific situation; the state of being affected and influenced with
99. pr_____e species *n.* any mammal of the order Primates, which includes monkeys, apes, and humans
100. ta_____e feedback *adj.* relating to the sense of touch; tangible or perceptible through the sense of touch

ANSWERS: 93. dynamic, 94. introduction, 95. extract, 96. represent, 97. mechanical, 98. interference, 99. primate, 100. tactile

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| 101. a tra_____ry missile | <i>n.</i> | the curved path followed by an object moving through space |
| 102. ac_____e knowledge | <i>v.</i> | to buy or obtain something such as an asset, object, knowledge, etc., for oneself |
| 103. basic br__n function | <i>n.</i> | the organ inside the head that is responsible for one's movement, thought, memory, and feeling |
| 104. po_____n kernels | <i>n.</i> | a type of corn that expands and puffs up when heated, often used for making a snack |
| 105. theory of the un_____se | <i>n.</i> | everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy |
| 106. inc_____te technology into daily life | <i>v.</i> | to include something as a part of a larger entity |
| 107. sh__k-resistant | <i>n.</i> | a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant |
| 108. a building of vast pro_____ons | <i>n.</i> | a part, share, or amount of something considered in comparative relation to a whole |
| 109. human phy_____gy | <i>n.</i> | the branch of the biological sciences dealing with the functioning of organisms |
| 110. vi___n soloist | <i>n.</i> | a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings |

ANSWERS: 101. trajectory, 102. acquire, 103. brain, 104. popcorn, 105. universe, 106. incorporate, 107. shock, 108. proportion, 109. physiology, 110. violin

111. in____ct with one another *v.* to communicate or react with somebody
112. re__t my brain *v.* to set again or differently; to return to a previous state or condition
113. a dy____c market *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
114. sn____t of wisdom *n.* a small piece or brief extract of something
115. 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
116. basin-shaped va____y *n.* a long depression on the surface of the land, which typically contains a river
117. exo____on suit *n.* a hard, external protective covering or framework that supports and gives shape to the body of an invertebrate animal, such as an insect or crab
118. lar____le agriculture *adj.* involving many people or things and involving a lot of change or activity
119. au____a watching *n.* a natural appearance of colored light in Earth's sky that is usually seen in high-latitude regions, especially around the Arctic and Antarctic
120. an ele____al storm *adj.* relating to electricity

ANSWERS: 111. interact, 112. reset, 113. dynamic, 114. snippet, 115. patient, 116. valley, 117. exoskeleton, 118. large-scale, 119. aurora, 120. electrical

121. trading of vi_____l currencies *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
122. h__e a guide *v.* to give somebody a job
123. basketball le____d *n.* an old story that may or may not be accurate regarding some persons and events; a well-known person who is admired by others for a long time, particularly in a particular field
124. al_____nt in an organization *n.* an arrangement in which two or more elements are placed in a straight line or parallel to each other
125. a pilot sc____e *n.* an organized and often large-scale plan or arrangement for doing something
126. s__t and tie restaurant *n.* a set of clothes that are made from the same material; a claim or complaint that a person or organization can file in court against another party; (verb) to be fit or acceptable for
127. a sy_____ny orchestra *n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
128. bra_____ing session *n.* a group activity or business method in which a group of people meet and think about something at the same time to solve a problem or to create good ideas
129. 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

ANSWERS: 121. virtual, 122. hire, 123. legend, 124. alignment, 125. scheme, 126. suit, 127. symphony, 128. brainstorming, 129. reproduce

130. in____ct directly with customers *v.* to communicate or react with somebody
131. fleshly de____e *n.* a strong feeling of wanting to have or do something
132. robotic exo____on *n.* a hard, external protective covering or framework that supports and gives shape to the body of an invertebrate animal, such as an insect or crab
133. information ba____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
134. elliptic ga____y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
135. fun____al rights *adj.* forming an essential base or core from which everything else develops or is affected
136. former co____ue *n.* one of a group of a coworker, especially in a profession or a business
137. electrical c__d *n.* a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment
138. ex____d a lineup *v.* to increase or to make something greater in size, number, or importance
139. collaborate with co____ues *n.* one of a group of a coworker, especially in a profession or a business
140. 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: 130. interact, 131. desire, 132. exoskeleton, 133. barrier, 134. galaxy, 135. fundamental, 136. colleague, 137. cord, 138. expand, 139. colleague, 140. robotic

141. continuously sh____ng landscape *adj.* constantly changing or moving
142. con_____um agreement *n.* a group or association of individuals, organizations, or businesses that come together for a common purpose or goal
143. pa_____y to understanding *n.* a track that constitutes or serves as a path; an approach or a way of doing something
144. parallel com_____on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator
145. a mec_____al style of writing *adj.* operated by a machine, relating to or concerned with machinery or tools
146. a no_____it organization *adj.* not established for commercial profit
147. cu____r movement *n.* a visual representation on a computer screen that is controlled by a mouse or other pointing device and is used to indicate where the next action or input will occur, typically in the form of an arrow or other icon
148. a circular mo_____nt *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
149. 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

ANSWERS: 141. shifting, 142. consortium, 143. pathway, 144. computation, 145. mechanical, 146. nonprofit, 147. cursor, 148. movement, 149. interface

158. nonstop tr_____ll *n.* a piece of exercise equipment consisting of a moving belt on which the user walks, jogs, or runs in place; a monotonous, repetitive task or activity that feels like it is going nowhere, much like a person walking on a treadmill
159. va____y bottom *n.* a long depression on the surface of the land, which typically contains a river
160. lou_____er system *n.* an electronic device that amplifies sound, typically used to address a large audience or to play music or other audio content in public areas
161. by____s circuit *n.* an alternative road, channel, pipe, or connection that allows flow while the main one is closed or obstructed; (verb) to go past or round
162. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
163. strict time con_____nts *n.* a limit or restriction on something, such as an action, behavior, or thought
164. wireless lou_____er *n.* an electronic device that amplifies sound, typically used to address a large audience or to play music or other audio content in public areas
165. su_____e beforehand *v.* to think that something is likely to be actual or possible
166. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
167. shopping re____ds cards *n.* a thing given in acknowledgment of service, hard work, achievement, etc.

ANSWERS: 158. treadmill, 159. valley, 160. loudspeaker, 161. bypass, 162. experiment, 163. constraint, 164. loudspeaker, 165. suppose, 166. experiment, 167. reward

168. sp___l injury *adj.* of or relating to the spine (= the long bone in the body's back)
169. official sta_____cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
170. field of vi___l arts *adj.* relating to seeing or sight
171. academic con_____um *n.* a group or association of individuals, organizations, or businesses that come together for a common purpose or goal
172. a per_____ve view *n.* a confident attitude toward something; a particular style of thinking about something
173. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
174. code sn_____t *n.* a small piece or brief extract of something
175. death from sh___k *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
176. su_____ar athlete *n.* a very famous and successful performer or athlete
177. re__t password *v.* to set again or differently; to return to a previous state or condition
178. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
179. save the pl___t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

ANSWERS: 168. spinal, 169. statistics, 170. visual, 171. consortium, 172. perspective, 173. laboratory, 174. snippet, 175. shock, 176. superstar, 177. reset, 178. amazing, 179. planet

180. DC mo__r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
181. pr____e sanctuary *n.* any mammal of the order Primates, which includes monkeys, apes, and humans
182. 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
183. play the vi___n *n.* a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings
184. per_____on of a stimulus *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
185. the me_____sm for DNA replication *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
186. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
187. mo_____nt of troops *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

ANSWERS: 180. motor, 181. primate, 182. neuron, 183. violin, 184. perception, 185. mechanism, 186. engineer, 187. movement

188. tr_____te a document into English *v.* to convert or change words into another language
189. fu_____l a contract *v.* to meet the requirements or expectations; to achieve or realize
190. major paradigm sh__t *n.* a slight transition in position, direction, or trend
191. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
192. a vi_____l image *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
193. vo_____us reader *adj.* having a very strong appetite or desire for something, especially for food or activity; extremely eager or enthusiastic for something
194. t__l up the mountain *v.* to work hard and persistently; to engage in physically or mentally demanding tasks or activities for extended periods of time
195. wild goose ch__e *v.* to pursue something or someone to catch or capture them; to go after something vigorously or with determination; (noun) a pursuit or a hunt; a narrow groove or channel cut into a surface, often used for decorative purposes
196. 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

ANSWERS: 188. translate, 189. fulfill, 190. shift, 191. biology, 192. virtual, 193. voracious, 194. toil, 195. chase, 196. reproduce

197. ac____e the circuits *v.* to cause a machine or equipment to start to work
198. a com_____le amount of energy *adj.* able to link the similarities or differences with others; similar or equivalent to someone or something
199. a ga___y of famous actors *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
200. dis_____ate against women employees *v.* to treat a person or particular group of people worse or better than another, especially in an unfair way; to recognize or perceive the difference between people or things
201. be in al_____nt *n.* an arrangement in which two or more elements are placed in a straight line or parallel to each other
202. fever with neu_____cal signs *adj.* of or relating to the science of neurology or the nervous system
203. vi___l navigation *adj.* relating to seeing or sight
204. the av___r of the authority *n.* (the concept in Hinduism) a god appearing in human or superhuman or animal form; a graphical representation of a user or the user's character or persona in online games, chat rooms, etc.
205. gastric by___s operation *n.* an alternative road, channel, pipe, or connection that allows flow while the main one is closed or obstructed; (verb) to go past or round

ANSWERS: 197. actuate, 198. comparable, 199. galaxy, 200. discriminate, 201. alignment, 202. neurological, 203. visual, 204. avatar, 205. bypass

206. a pre_____on program *n.* the activity of getting ready for something or making something ready
207. keen per_____on *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
208. in_____on behind his decision *n.* something you want to do and are going to do
209. fu_____l a lifetime dream *v.* to meet the requirements or expectations; to achieve or realize
210. muscle le____n *n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease
211. amateur ast_____er *n.* a physicist who studies astronomy
212. sh_____ng balance *adj.* constantly changing or moving
213. the branch of neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
214. co_____d a battery *n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something
215. digital av____r *n.* (the concept in Hinduism) a god appearing in human or superhuman or animal form; a graphical representation of a user or the user's character or persona in online games, chat rooms, etc.

ANSWERS: 206. preparation, 207. perception, 208. intention, 209. fulfill, 210. lesion, 211. astronomer, 212. shifting, 213. neuroscience, 214. command, 215. avatar

216. LED-em_____ed glass	<i>adj.</i> fixed firmly into the surface of something
217. de___e on a course of action	<i>v.</i> to make up someone's mind about something; to come to a conclusion or judgment after considering options
218. excite the ne____ns	<i>n.</i> a cell that is specialized to carry information within the brain and between the brain and other parts of the body
219. cr___e chocolate	<i>v.</i> to have a strong desire for something; to long for or want intensely
220. a beautiful sy_____ny	<i>n.</i> a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
221. an aut_____us judiciary	<i>adj.</i> capable of governing or controlling its affairs
222. vo_____ry participation	<i>adj.</i> done of one's own free will; without being forced or coerced
223. around the gl___e	<i>n.</i> the earth or world, mainly used to emphasize its vastness
224. officious int_____nce	<i>n.</i> the act or process of getting involved in and trying to influence a specific situation; the state of being affected and influenced with
225. brain and sp___l cord	<i>adj.</i> of or relating to the spine (= the long bone in the body's back)
226. pair of id_____al twins	<i>adj.</i> being the exact same one

ANSWERS: 216. embedded, 217. decide, 218. neuron, 219. crave, 220. symphony, 221. autonomous, 222. voluntary, 223. globe, 224. interference, 225. spinal, 226. identical

227. a cr__y scheme *adj.* stupid or not sensible; very angry
228. a civil en____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
229. a se___e case of pneumonia *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
230. con_____nt on business activity *n.* a limit or restriction on something, such as an action, behavior, or thought
231. tr_____it information *v.* to send or forward an electronic signal; to pass something from one person or thing to another
232. as___e a lousy attitude to his boss *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
233. de___e a word *v.* to state or explain precisely the nature, scope, or meaning of something
234. telephone ex_____on *n.* a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line
235. time ex_____on *n.* a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line

ANSWERS: 227. crazy, 228. engineer, 229. severe, 230. constraint, 231. transmit, 232. assume, 233. define, 234. extension, 235. extension

236. do___n of use *n.* a specific sphere of influence or control; a specific field of knowledge or expertise
237. sta_____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
238. com_____le sales *adj.* able to link the similarities or differences with others; similar or equivalent to someone or something
239. polar au___a *n.* a natural appearance of colored light in Earth's sky that is usually seen in high-latitude regions, especially around the Arctic and Antarctic
240. t__l to make a living *v.* to work hard and persistently; to engage in physically or mentally demanding tasks or activities for extended periods of time
241. cost ba_____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
242. heavy ma_____ry *n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
243. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
244. ch__t in a game *v.* to act dishonestly or unfairly to gain an advantage or to deceive someone; to break the rules or laws

ANSWERS: 236. domain, 237. statistics, 238. comparable, 239. aurora, 240. toil, 241. barrier, 242. machinery, 243. motor, 244. cheat

ANSWERS:

Session 3: Fill in the Blanks

1. 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
2. Children _____ language at a fantastic rate.
v. to buy or obtain something such as an asset, object, knowledge, etc., for oneself
3. Many companies employ _____ as a good way of generating innovative ideas.
n. a group activity or business method in which a group of people meet and think about something at the same time to solve a problem or to create good ideas
4. The immigrant struggled to _____ into the new culture.
v. to take in and understand information or ideas; to integrate
5. The outermost _____ shell determines the chemical properties of an atom.
n. a tiny particle with the negative electrical charge
6. 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
7. The _____ appetite of the teenager was legendary.
adj. having a very strong appetite or desire for something, especially for food or activity; extremely eager or enthusiastic for something

ANSWERS: 1. brain, 2. acquire, 3. brainstorming, 4. assimilate, 5. electron, 6. neuroscience, 7. voracious

8. Five of the six provinces will become _____ regions under the new federal system of government.

adj. capable of governing or controlling its affairs

9. The bankruptcy of the giant conglomerate _____ turmoil in the stock market.

v. to start something or make it grow, especially suddenly; to emit a tiny piece of fire or electricity

10. To advance this discussion, we must _____ "success" rigorously.

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

11. They carefully executed the well-planned _____ they had prepared over the years.

n. an organized and often large-scale plan or arrangement for doing something

12. We should always be prepared to _____ talented recruits.

v. to give somebody a job

13. Your spinal _____ is located deep within your body.

n. a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment

14. The doctor examined the _____ on the patient's skin to determine if it was cancerous.

n. a damaged or abnormal area of tissue in the body, usually caused by injury or disease

15. 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

ANSWERS: 8. autonomous, 9. sparked, 10. define, 11. scheme, 12. hire, 13. cord, 14. lesion, 15. process

16. Anesthetize the gum before _____ the teeth.

- n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

17. She is a _____ in the music industry.

- n.* a very famous and successful performer or athlete

18. He helped me with the _____ of this book.

- n.* the activity of getting ready for something or making something ready

19. What do you _____ the culprit's motive was?

- v.* to think that something is likely to be actual or possible

20. Parents often _____ their characteristics to their children.

- v.* to send or forward an electronic signal; to pass something from one person or thing to another

21. Many of the _____ of the famous general came about hundreds of years after his death.

- n.* an old story that may or may not be accurate regarding some persons and events; a well-known person who is admired by others for a long time, particularly in a particular field

22. She is _____ in Spanish and can communicate fluently.

- adj.* having a high level of skill or knowledge in a particular area

23. The golfer recorded an _____ distance.

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

ANSWERS: 16. extracting, 17. superstar, 18. preparation, 19. suppose, 20. transmit, 21. legends, 22. proficient, 23. amazing

24. The teacher spoke through the _____ so that every student could hear the announcement.
- n.* an electronic device that amplifies sound, typically used to address a large audience or to play music or other audio content in public areas
25. 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
26. Unfortunately, the radio _____ made it difficult to hear the broadcast.
- n.* the act or process of getting involved in and trying to influence a specific situation; the state of being affected and influenced with
27. Don't _____ your mosquito bites.
- v.* to cut or damage the surface of something or the skin with a sharp or pointed object
28. Infant formulas are nutritionally almost _____ to a mother's breast milk.
- adj.* being the exact same one
29. He should _____ more with his colleagues.
- v.* to communicate or react with somebody
30. _____ the text from Italian into English.
- v.* to convert or change words into another language
31. 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

ANSWERS: 24. loudspeaker, 25. neuron, 26. interference, 27. scratch, 28. identical, 29. interact, 30. Translate, 31. patient's

32. Low sexual _____ typically correlates with low testosterone levels.
n. a strong feeling of wanting to have or do something
33. His _____ showed highly positive results.
n. the scientific test conducted to observe what happens and gain new knowledge
34. The farmers _____ in the fields, harvesting the crops before the start of the rainy season.
v. to work hard and persistently; to engage in physically or mentally demanding tasks or activities for extended periods of time
35. The surgeon carefully confirmed how to remove the tumor to avoid damaging the _____ nerves.
adj. of or relating to the spine (= the long bone in the body's back)
36. He is a man admired for the depth of his _____.
n. a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
37. The company's _____ in the market was expanding to new territories.
n. a specific sphere of influence or control; a specific field of knowledge or expertise
38. The _____ of the dancers on stage was graceful and elegant.
n. a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
39. The _____ ordered the troops to fire.
n. the leader of a group of people, especially who is in charge of a ship or aircraft

ANSWERS: 32. desire, 33. experiments, 34. toiled, 35. spinal, 36. perception, 37. domain, 38. movement, 39. captain

40. He is more concerned about the _____ of his body fat than usual because of an upcoming bodybuilding competition.

n. a part, share, or amount of something considered in comparative relation to a whole

41. This question has fascinated solar _____ for decades.

n. a physicist who studies astronomy

42. 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

43. The _____ sensation of the fabric was soft and smooth to the touch.

adj. relating to the sense of touch; tangible or perceptible through the sense of touch

44. The sprinter has a _____ way of running.

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

45. The _____ on a map app shows your location and allows you to navigate.

n. a visual representation on a computer screen that is controlled by a mouse or other pointing device and is used to indicate where the next action or input will occur, typically in the form of an arrow or other icon

46. Night fishing has a lot of _____.

n. a thing given in acknowledgment of service, hard work, achievement, etc.

ANSWERS: 40. proportion, 41. astronomers, 42. interface, 43. tactile, 44. dynamic, 45. cursor, 46. rewards

47. He got an electric _____ at work.

- n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant

48. Animal protection groups call for an end to animal testing in a _____.

- n.* a workplace for doing scientific research or teaching science; a lab

49. Many scientists study _____ behavior and intelligence.

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

50. His final goal is to sail around the _____.

- n.* the earth or world, mainly used to emphasize its vastness

51. The senator received _____ criticism from his opponent.

- adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

52. The band played a beautiful _____ on their instruments.

- n.* a musical composition or set of musical notes that are played or sung; (verb) to adjust or set something to a specific condition or standard

53. In the last century, Britain formed a strong _____ with Egypt.

- n.* an arrangement in which two or more elements are placed in a straight line or parallel to each other

54. The _____ of the crab protects it from predators and environmental changes.

- n.* a hard, external protective covering or framework that supports and gives shape to the body of an invertebrate animal, such as an insect or crab

ANSWERS: 47. shock, 48. laboratory, 49. primate, 50. globe, 51. severe, 52. tune, 53. alignment, 54. exoskeleton

55. The majority of consumers _____ this brand with quality.
v. to mentally connect someone or something with someone or something else
56. He discovered unique _____ for photochemical reactions.
n. a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
57. A desire for success _____ her.
v. to cause a machine or equipment to start to work
58. Human behavior has _____ characteristics.
adj. forming an essential base or core from which everything else develops or is affected
59. Northern and southern hemispheres alike experience the _____.
n. a natural appearance of colored light in Earth's sky that is usually seen in high-latitude regions, especially around the Arctic and Antarctic
60. He was exhausted and _____ into bed as soon as he got home.
v. to move in a particular direction by turning over and over or from side to side
61. This patient must undergo _____ surgery.
n. an alternative road, channel, pipe, or connection that allows flow while the main one is closed or obstructed; (verb) to go past or round
62. 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

ANSWERS: 55. associate, 56. mechanisms, 57. actuated, 58. fundamental, 59. aurora, 60. rolled, 61. bypass, 62. device

63. The rain and thunder are _____ today.

adj. stupid or not sensible; very angry

64. The building makes a remarkable _____ impact.

adj. relating to seeing or sight

65. 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

66. The company has shown an excellent growth _____ over the years.

n. the curved path followed by an object moving through space

67. Six _____ are awaiting trial or verdict.

n. a set of clothes that are made from the same material; a claim or complaint that a person or organization can file in court against another party; (verb) to be fit or acceptable for

68. Energy-efficient _____ are needed to maximize the cruising distance of electric vehicles.

n. a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work

69. The _____ robot was able to mimic human movements and expressions.

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

70. The budget _____ forced them to make difficult decisions.

n. a limit or restriction on something, such as an action, behavior, or thought

ANSWERS: 63. crazy, 64. visual, 65. robotic, 66. trajectory, 67. suits, 68. motors, 69. humanoid, 70. constraint

71. You should not _____ against minorities.

- v.* to treat a person or particular group of people worse or better than another, especially in an unfair way; to recognize or perceive the difference between people or things

72. She _____ success and is always pushing herself to do better.

- v.* to have a strong desire for something; to long for or want intensely

73. The patient was diagnosed with a _____ disorder affecting their motor skills.

- adj.* of or relating to the science of neurology or the nervous system

74. They are building an _____ to the house to add more bedrooms.

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

75. In junior high school, we had to dissect a frog in _____ class.

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

76. A _____ of economic advisers from the United States visited the country to help rebuild its economy.

- n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

77. 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

ANSWERS: 71. discriminate, 72. craves, 73. neurological, 74. extension, 75. biology, 76. panel, 77. reproduce

78. The company is planning to make a _____ expansion of its factory.
adj. involving many people or things and involving a lot of change or activity
79. Could you help me _____ some furniture?
n. a slight transition in position, direction, or trend
80. The journalist saved a _____ of the interview for later reference.
n. a small piece or brief extract of something
81. A _____ engineer is still in demand in many companies.
adj. operated by a machine, relating to or concerned with machinery or tools
82. We popped some _____ and settled in to watch a movie.
n. a type of corn that expands and puffs up when heated, often used for making a snack
83. The researcher demonstrated the superiority of quantum _____ in several mathematical tasks.
n. the act or process of calculating something, especially an answer or amount, by using a machine or calculator
84. She _____ the computer to fix the problem.
v. to set again or differently; to return to a previous state or condition
85. Even though he knew it was wrong, he _____ on the exam.
v. to act dishonestly or unfairly to gain an advantage or to deceive someone; to break the rules or laws
86. A person's cyberspace _____ often represents the appearance and behavior that the person wants to be.
n. (the concept in Hinduism) a god appearing in human or superhuman or animal form; a graphical representation of a user or the user's character or persona in online games, chat rooms, etc.

ANSWERS: 78. large-scale, 79. shift, 80. snippet, 81. mechanical, 82. popcorn, 83. computation, 84. reset, 85. cheated, 86. avatar

87. The police placed a _____ across the street to halt traffic.
n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
88. Trends in the fashion industry are so _____ that it is challenging to keep up with them.
adj. constantly changing or moving
89. The _____ had received a mild snowfall the previous week.
n. a long depression on the surface of the land, which typically contains a river
90. The _____ of audit formally issued a business improvement order.
n. a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
91. The _____ demonstrate that poverty and unemployment are genuine problems.
n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
92. It was the first time for her, but she _____ the role of Priest.
v. to meet the requirements or expectations; to achieve or realize
93. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
94. The cello is a member of the _____ family.
n. a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings

ANSWERS: 87. barrier, 88. shifting, 89. valley, 90. machinery, 91. statistics, 92. fulfilled, 93. engineer, 94. violin

95. The _____ is about 13.8 billion years old.

- n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

96. Actuators convert _____ pulses into motion.

- adj.* relating to electricity

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

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

98. The police officer _____ the suspect through the crowded streets until they finally caught him.

- v.* to pursue something or someone to catch or capture them; to go after something vigorously or with determination; (noun) a pursuit or a hunt; a narrow groove or channel cut into a surface, often used for decorative purposes

99. The program is _____ so participants can choose whether or not to take part.

- adj.* done of one's own free will; without being forced or coerced

100. The majority of cells in the lung are _____ cells.

- adj.* relating to the layer of cells that covers the majority of the body's surfaces

101. The _____ of companies pooled their resources to fund the project.

- n.* a group or association of individuals, organizations, or businesses that come together for a common purpose or goal

102. We will attempt to _____ some of your suggestions into our future strategy.

- v.* to include something as a part of a larger entity

ANSWERS: 95. universe, 96. electrical, 97. perspective, 98. chased, 99. voluntary, 100. epithelial, 101. consortium, 102. incorporate

103. The _____ chip in my credit card allows me to make contactless payments.

adj. fixed firmly into the surface of something

104. 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

105. _____ is the science of how living things work.

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

106. The Milky Way _____ has numerous water-bearing planets.

n. an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity

107. Two students answered the teacher's question _____.

adv. at the same time

108. They hope to _____ their business worldwide.

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

109. The frequent performances of the _____ prove its popularity.

n. a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements

110. Humans and apes have _____ anatomical structures.

adj. able to link the similarities or differences with others; similar or equivalent to someone or something

111. She is the _____ president of the company.

adj. being actually such in almost every respect; existing in essence or effect though not in actual fact

ANSWERS: 103. embedded, 104. decide, 105. Physiology, 106. galaxy, 107. simultaneously, 108. expand, 109. symphony, 110. comparable, 111. virtual

112. We elected him to _____ us at the international conference.

- v.* to speak, act, or be present on behalf of another person or group; to form or constitute

113. Our law firm also focuses on _____ activities.

- adj.* not established for commercial profit

114. Sensors convert physical phenomena into _____ signals.

- adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

115. The _____ to the new class was informative and engaging.

- n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

116. I decided to seek counseling on the advice of my _____.

- n.* one of a group of a coworker, especially in a profession or a business

117. The general gave a _____ to his troops to prepare for battle.

- n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something

118. The following example _____ that the capacity of each battery is the same.

- v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

ANSWERS: 112. represent, 113. nonprofit, 114. digital, 115. introduction, 116. colleague, 117. command, 118. assumes

119. I like to watch TV while running on the _____ to pass the time.

- n.* a piece of exercise equipment consisting of a moving belt on which the user walks, jogs, or runs in place; a monotonous, repetitive task or activity that feels like it is going nowhere, much like a person walking on a treadmill

120. When the first molecule in the _____ receives a signal, it activates other molecules.

- n.* a track that constitutes or serves as a path; an approach or a way of doing something

121. Our CEO's _____ are always transparent and straightforward.

- n.* something you want to do and are going to do

122. Mercury is the closest _____ to the sun.

- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

ANSWERS: 119. treadmill, 120. pathway, 121. intentions, 122. planet