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Alex Kipman: A futuristic vision of the age of holograms | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

compute

v. to make a mathematical calculation

synonym: calculate

(1) **compute** an average score, (2) **compute** the value
I tried to **compute** the efficiency of the investment.

fascinating

adj. extremely interesting

synonym: alluring, intriguing, captivating

(1) **fascinating** story, (2) completely **fascinating** to me
The museum houses a **fascinating** collection of Celtic artifacts.

peculiar

adj. odd and uncommon, sometimes in an unpleasant way

synonym: bizarre, abnormal, odd

(1) **peculiar** way, (2) **peculiar** people
The juice has a **peculiar** taste.

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.

singular

n. being only one of its kind; unique

synonym : unique, sole, individual

(1) **singular** purpose, (2) **singular** goal

The **singular** beauty of the night sky never ceases to amaze him.

vastness

n. the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale

synonym : immensity, enormity, vastitude

(1) limitless **vastness**, (2) scenic **vastness**

The **vastness** of the ocean was awe-inspiring and humbling.

communicate

v. to share or exchange information with others by speaking, writing, moving your body, or using other signals

synonym : convey, share, transmit

(1) **communicate** his anxieties to the psychiatrist,

(2) **communicate** well with my advisor

Dolphins use sound to **communicate** with each other.

entertain

v. to keep a group of people interested or excited; to take into consideration an idea or feeling

synonym : amuse, delight, engage

(1) **entertain** a guest, (2) let me **entertain** you with music

He refused to **entertain** our proposal.

tap

v. to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

synonym : knock, exploit, use

(1) **tap** a new market, (2) **tap** keyboard with an index finger

To expand the company, we must **tap** new human resources.

monitor

v. to observe, check, and track the progress or quality of something over a period of time

synonym : proctor, check, observe

(1) **monitor** an exam, (2) **monitor** the data carefully
They used a special receiver to **monitor** police radio channels.

pixel

n. the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image

synonym: dot, point, picture element

(1) **pixel** density, (2) color **pixels**

The computer screen comprises thousands of tiny **pixels** that create the overall picture.

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.

inspire

v. to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

synonym: boost, encourage, enlighten

(1) **inspire** a feeling of curiosity, (2) **inspire** him to write a novel

The unique style of this martial arts **inspired** many action film producers.

infinite

adj. unlimited or very great; impossible to measure

synonym: boundless, countless, limitless

(1) **infinite** appetite, (2) **infinite** in supply

The battle had an **infinite** impact on the nation.

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.

embrace

v. to accept something willingly and enthusiastically;
(noun) the act of clasping another person in the arms as in greeting or affection

synonym: grasp, hold tightly, accept

(1) **embrace** an opportunity, (2) a warm **embrace**

The woods **embrace** the house.

interaction

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

synonym: dealings, exchange, relations

(1) the **interaction** between man and his environment,

(2) **interaction** among human beings

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

biometric

adj. relating to the measurement and analysis of unique physical or behavioral characteristics of an individual, such as fingerprints or voice patterns, often used for identification or security purposes; (noun, biometrics) the use of measurable biological characteristics or traits, such as fingerprints, facial recognition, iris scans, or voice recognition, to identify or authenticate individuals

(1) **biometric** recognition, (2) **biometrics** for visitors

The new smartphone has **biometric** authentication, such as facial recognition and fingerprint scanning.

evolution

n. a gradual process of transformation of living things

synonym: elaboration, expansion, transition

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

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

untethered

adj. not tied or secured to anything; free to move or roam without restriction or confinement

synonym: free, loose, unattached

(1) **untethered** phone, (2) **untethered** from reality

The bird flew **untethered** in the sky.

holography

n. a technique for creating three-dimensional images using lasers to record and reconstruct interference patterns

synonym: three-dimensional photography, laser holography, digital holography

(1) optical **holography**, (2) 3D **holography**

Holography technology uses light interference patterns to create a 3D image.

enhance

v. to increase or improve the quality, amount, or strength of someone or something

synonym: improve, enrich, refine

(1) **enhance** value, (2) **enhance** the flavor of the vanilla

The new strategy will **enhance** the profitability of our company.

ordinary

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

synonym: mundane, prosaic, average

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

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

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**.

distant

adj. far away in space, time, or where you are; far apart in relevance, relationship, or kinship

synonym: far, isolated, remote

(1) a **distant** memory, (2) **distant** ancestors

The sun set over the crest of **distant** hills.

redefine

v. to change the meaning or interpretation of something; to make people think about something in a new or different way

synonym : reconsider, reformulate, alter

(1) **redefine** customer experience, (2) **redefine** our role

The video telephony application has **redefined** the way we work.

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.

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.

hologram

n. a three-dimensional image produced by the interference of light beams from a laser or other coherent light sources used for artistic, scientific, or commercial applications

synonym : 3D image, virtual image, projection

(1) **hologram** projection, (2) **hologram** technology

The museum had a **hologram** exhibit that was very popular with visitors.

confine

v. to restrict the movement of someone or something

synonym : restrict, limit, contain

(1) **confine** themselves solely, (2) **confine** the scope of use

The animal was **confined** in a small cage.

tradition

n. a belief, custom, or way of doing something that has been passed down from generation to generation within

a group or society

synonym : custom, practice, ritual

(1) a **tradition** of a culture, (2) against **tradition**

It is a **tradition** in many families to have a big Thanksgiving dinner with all their relatives.

temporal

adj. of or relating to time as opposed to eternity

synonym : transient, fleeting, temporary

(1) a **temporal** restriction, (2) **temporal** history

The **temporal** nature of the universe is a subject of much debate among scientists.

adjust

v. to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.

synonym : adapt, alter, acclimate

(1) **adjust** a schedule, (2) **adjust** the rearview mirror

You have to **adjust** your content to the age of the audience.

cave

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

synonym : cavern, grotto, burrow

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

Bats reside in sheltered **caves**.

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**.

charcoal

n. a black, porous substance made by burning wood or other organic matter in the absence of air, often used for drawing or cooking

synonym :

carbon, soot, black

(1) **charcoal** brown, (2) **charcoal** grill

The artist used **charcoal** drawing to create a realistic portrait of her subject.

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.

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.

invite

v. to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place

synonym : ask, request, summon

(1) **invite** guests, (2) **invite** criticism

We want to **invite** you to our annual charity event.

setup

n. the arrangement or organization of something, often with a specific purpose or intention; a scheme or plan that is intended to deceive or trick someone

synonym : arrangement, installation, organization

(1) office **setup**, (2) network **setup**

The **setup** for the conference was impressive and professional.

risky

adj. involving the possibility of danger, failure, or loss

synonym : dangerous, perilous, scary

(1) change **risky** behavior, (2) a **risky** enterprise
It is extremely **risky** to sail in such a storm.

demonstrate

v. to display something or give an exhibition to an interested audience

synonym: show, illustrate, display

(1) **demonstrate** a difference, (2) **demonstrate** mastery
How can you **demonstrate** that the earth is a sphere?

momentary

adj. lasting for only a brief moment or an extremely short period of time; occurring momentarily

synonym: fleeting, temporary, brief

(1) **momentary** pause, (2) **momentary** distraction
The **momentary** lapse in concentration caused her to miss the crucial shot.

onstage

adv. onto or on a stage in a theater; in front of an audience

(1) appeared **onstage**, (2) walk **onstage**

He performed his magic trick **onstage**, leaving the audience in awe.

lens

n. a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation

synonym: glass

(1) a convex **lens**, (2) a **lens** with a wide angle

The photographer took this photo using a telephoto **lens**.

brand

n. a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning

synonym: trademark, label, symbol

(1) create a **brand** logo, (2) the **brand** of the new car
There's a new **brand** of hero in the movies now.

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.

marvelous

adj. causing wonder or astonishment; excellent

synonym : wonderful, amazing, superb

(1) **marvelous** performance, (2) **marvelous** power

The view from the top of the mountain was **marvelous**.

primitive

adj. of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style

synonym : elementary, naive, rudimentary

(1) **primitive** society, (2) artifact of a **primitive** humankind

The industry in this country is still **primitive**.

causal

adj. relating to or indicating a cause or the relationship between causes and effects; resulting from a cause

synonym : causative, contributory, connected

(1) **causal** chain, (2) **causal** effect

The study aimed to establish a **causal** relationship between smoking and lung cancer.

develop

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

synonym : evolve, progress, advance

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

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

icon

n. a picture or statue of a holy person considered to be a sacred thing; a little icon on the screen of a computer or smartphone that denotes an application or a file

synonym : figure, hero, idol

(1) **icon** for young people, (2) television **icon**

Some comic book characters are considered gay **icons**.

overly

adv. to a greater degree than is appropriate or desirable

synonym : excessively, too much

(1) **overly** excessive, (2) **overly** unnecessary

The movie was **overly** dramatic, with exaggerated emotions and cliched plot twists.

constrain

v. to restrict or limit someone or something's freedom or ability to do something

synonym : restrict, limit, confine

(1) **constrain** his freedom, (2) **constrain** information flow

The political situation **constrained** the country's economic growth and foreign relations.

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.

analog

adj. relating to or using signals or information represented by a continuous physical quantity such as spatial position, voltage, etc.

(1) an **analog** watch, (2) digitization of **analog** sounds

Mercury thermometers are a type of **analog** sensor.

govern

v. to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services

synonym : control, rule, preside

(1) a nation's right to **govern**, (2) **govern** a public enterprise
The regulations **governing** medical malpractice claims are rigorous.

quantum

n. the smallest amount or unit of something, especially (electromagnetic) energy

(1) probabilistic **quantum** theory, (2) laws of **quantum** mechanics

Big techs are now eager to develop **quantum** computers.

physics

n. the science of matter and energy and their interactions

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

He studied the **physics** of radiation.

probabilistic

adj. characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks

synonym : probable, statistical, likely

(1) **probabilistic** model, (2) **probabilistic** approach

In a **probabilistic** system, the outcome is uncertain and can vary based on chance.

collide

v. to hit something violently when moving

synonym : clash, slam, contradict

(1) **collide** head-on, (2) **collide** in midair

The interests of the two countries **collide**.

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.

asleep

adj. in a state of sleep

synonym : sleeping, fallen, at rest

(1) **asleep** at the wheel, (2) dead **asleep**
He lay down and fell **asleep** immediately.

superpower

n. a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities

synonym: great power, empire, hegemony

(1) **superpower** country, (2) **superpower** leader

The ability to fly like a bird is often considered a **superpower** in comic books and movies.

displace

v. to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation

synonym: evict, exile, remove

(1) **displace** workers, (2) **displace** the explosive power

The construction of the new dam will **displace** hundreds of families living downstream.

entertainment

n. public shows, films, television, or other performances or activities of enjoying people

synonym: amusement, recreation, enjoyment

(1) an elegant **entertainment**, (2) hour of **entertainment**

The hotel is famous for its **entertainment**, including the casino.

immediately

adv. now or without delay

synonym: directly, instantly, promptly

(1) **immediately** recall a product, (2) write him an answer **immediately**

A suspension order from the court is effective **immediately**.

displacement

n. the act of forcing someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation

synonym : eviction, exile, exodus

(1) **displacement** camp, (2) a car with 1800 cc

displacement

The **displacement** of the residents was a consequence of the construction of the new highway.

dimension

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

synonym : extent, measurement, size

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

Overall **dimensions** are approximately 400x200mm.

glimmer

n. a flash of light especially unsteady or reflected light; a slight sign of something

synonym : gleam, dazzle, gleam

(1) without a **glimmer** of truth, (2) give a **glimmer** of light

There is however a **glimmer** of hope.

devoid

adj. completely lacking or free from something

synonym : empty, lacking, void

(1) **devoid** of life, (2) air **devoid** of pollution

The room was **devoid** of any furniture or decorations.

remarkable

adj. worthy of attention because unusual or special

synonym : outstanding, exceptional, extraordinary

(1) **remarkable** achievement, (2) the **remarkable** breadth of knowledge

The election was a **remarkable** success for the Whigs.

environment

n. the natural world such as air, water, and land in which humans, animals, and plants live

synonym : atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

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.

recognition

n. the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal

synonym: acknowledgement, identification, credit

(1) **recognition** award, (2) joint **recognition**

He was given **recognition** for his outstanding work in the field of medicine.

authenticate

v. to confirm or verify the validity or authenticity of something; to prove or establish that something is genuine or true

synonym: confirm, validate, verify

(1) **authenticate** documents, (2) **authenticate** software license

The security system requires users to **authenticate** their identity before gaining access.

secondly

adv. used to introduce the second point or item in a list or series of statements, considerations, etc.

synonym: in the second place, next, subsequently

(1) **secondly** connected, (2) **secondly**, it is important

Firstly, we will discuss the budget; **secondly**, we will go over the schedule.

fin

n. a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance

synonym: flipper, appendage, stabilizer

(1) back **fin**, (2) a **fin** of a plane

The shark's powerful **fins** allowed it to swim at high speeds.

exchange

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

synonym: trade, swap, interchange

(1) **exchange** rate, (2) **exchange** a few friendly words

My sister and I frequently **exchange** books, as we love reading.

haptic

adj. of or relating to or involving the sense of touch

synonym: tactile, tactual

(1) **haptic** perception, (2) **haptic** feedback

The player controls the game with a joystick or other **haptic** device.

temperature

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

synonym: climate, warmth, degree

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

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

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.

collapse

- v. to fall down or give way suddenly, often after breaking apart

synonym: tumble, spill, bankruptcy

(1) the stock market **collapsed**, (2) ready to **collapse**

The roof finally **collapsed** after three days and three nights of

heavy snowfall.

matrix

n. a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops

synonym: grid, cast, table

(1) the **matrix** of Western civilization, (2) **matrix** multiplication

The **matrix** of numbers on the spreadsheet allowed the accountant to track the company's profits and losses easily.

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.

excite

v. to make someone feel suddenly enthusiastic or eager

synonym: thrill, exhilarate, animate

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

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

smartphone

n. a mobile phone that functions as a computer and connects to the Internet

(1) **smartphone** app developer, (2) **smartphone** addict

Internet traffic volumes have increased significantly with the advent of **smartphones**.

granular

adj. consisting of or resembling small grains or particles; having a rough, irregular texture or appearance

synonym: gritty, grainy, sandy

(1) a **granular** medicine, (2) **granular** data

The soil had a **granular** texture, making it easy to plant the seeds.

dial v. to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called

synonym : adjust, set, turn

(1) **dial** up the volume, (2) **dial** down the tension

He **dialed** the phone number and waited for an answer.

elf n. a mythical creature typically depicted as a small, mischievous being with pointed ears and magical powers

synonym : sprite, pixie, faerie

(1) mischievous **elf**, (2) helpful **elf**

I dressed up as an **elf** for the Christmas party.

transform v. to change in outward structure or looks;

synonym : alter, convert, change

(1) **transform** an education system, (2) **transform** heat into power

My father's death **transformed** my life completely.

courageous adj. able to face and deal with danger or fear without flinching

synonym : brave, valiant, fearless

(1) make a **courageous** decision, (2) **courageous** rescue attempt

He was a **courageous** soldier who had served his country with honor.

grain n. wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance

synonym : seed, piece, cereal

(1) a **grain** of sand, (2) flour made from **grain**

Ordinary air purifiers cannot adequately remove pollen **grains**.

mesmerize

v. to captivate or fascinate; to hold the complete attention of

synonym: captivate, trance, enchant

(1) **mesmerize** a subject, (2) **mesmerize** with magic

The magician's performance **mesmerized** the audience.

universal

adj. existing or affecting everywhere or everyone

synonym: common, broad, worldwide

(1) **universal** life, (2) principles of **universal** design

The picture earned near- **universal** acclaim from critics.

translator

n. a person whose job is restating written messages from one language to another

synonym: interpreter

(1) electronic **translator**, (2) professional **translator**

The author discovered that the **translator** had inserted several unique interpretations into his book.

squint

v. to look at something with half-closed eyes, especially when trying to see more clearly or in bright light; to consider or examine something with suspicion, doubt, or skepticism

synonym: squinch, peer, glare

(1) **squint** against the sun, (2) **squint** at the radar screen

I had to **squint** my eyes to read the small print on the menu.

presence

n. the fact or state that someone or something exists, occurs, or is present

synonym: existence, actuality, fact

(1) the evidence of the **presence**, (2) his majestic **presence**

The path to a solid online **presence** necessitates a high technical ability.

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.

teleport

v. to transport or transmit instantly from one location to another, typically using advanced technology or imagined supernatural powers

synonym : beam, transport, transmit

(1) **teleport** objects through space, (2) **teleport** to any location in the world

The magician seemed to **teleport** instantly from one side of the stage to the other.

jet

n. a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances

synonym : plane, aircraft, flier

(1) private **jet**, (2) commercial **jet**

The **jet** flew over the ocean at high speed, reaching its destination in hours.

propulsion

n. the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means

synonym : propelling, driving, actuation

(1) **propulsion** technology, (2) nuclear **propulsion**

The spacecraft's **propulsion** system helped it travel through space.

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**.

doe

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

synonym : rabbit, bunny, hare

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

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

awesome

adj. inspiring fear, admiration, or respect; very good, nice, fun, etc.

synonym: miraculous, marvelous, astounding

(1) **awesome** mental faculty, (2) have an **awesome** birthday

There is a lot of **awesome** nature and food in Hawaii.

mar

v. to damage or spoil the appearance or surface of something

synonym: damage, deface, disfigure

(1) **mar** a proper relationship, (2) **mar** the reputation

The scratches on the car **marred** its otherwise perfect appearance.

absolutely

adv. without restriction or limitation; completely or utterly

synonym: completely, utterly, definitely

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

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

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.

replica

n. an exact copy of something such as a work of art

synonym: imitation, reproduction, replication

(1) miniature **replica**, (2) exact **replica**

An artist sculpted a full-size **replica** of her body.

capture

v. to catch a person or an animal and confine them in an area which they cannot escape

synonym: catch, arrest, imprison

(1) **capture** a glimpse, (2) **capture** customers' hearts
I was able to **capture** the moment on film.

curiosity

n. a strong desire to know or learn about something
synonym: interest, inquisitiveness, novelty

(1) boundless **curiosity**, (2) satisfy my intellectual **curiosity**
We are motivated by **curiosity** rather than necessity.

rover

n. a vehicle designed to travel over rough terrain,
especially on the surface of a planet or moon
synonym: vehicle, robot, explorer

(1) **rover** mission, (2) lunar **rover**

The **rover** on Mars is gathering data on the planet's surface
and sending it back to Earth.

humming

adj. producing a continuous, low, vibrating sound like that of
the bee

synonym: buzzing, droning, vibrating

(1) **humming** sound, (2) **humming** bird

The **humming** of the bees filled the air as she walked
through the garden.

instantly

adv. immediately

synonym: immediately, right away, directly

(1) **instantly** cope with, (2) be killed **instantly**

I remembered that person **instantly** and never forgot.

extend

v. to broaden in scope, range, or area

synonym: prolong, lengthen, advance

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

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

vision

n. the ability to think about or see the future with
imagination and intelligence; the faculty of being able to
see

synonym: sight, image, concept

(1) a prodigious **vision**, (2) telescopic **vision**
Driving is difficult for me because of my poor **vision**.

keyboard

n. device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work
synonym : console, piano

(1) numeric **keyboard**, (2) **keyboard** instruments
Please strike the "enter" on the **keyboard**.

leap

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

(1) **leap** to a conclusion, (2) **leap** of faith
The athlete was able to **leap** over the hurdle with ease.

giant

adj. enormous; much bigger or more important than similar items usually are
synonym : big, gigantic, huge

(1) **giant** trees, (2) **giant** tech company
The **giant** jets gradually dominate the world's airlines.

antenna

n. an electrical device that sends or receives radio or television signals; (biology) one of one or more pairs of appendages used for sensing in insects
synonym : feeler, receiver

(1) **antenna** of insect, (2) extend the TV **antenna**
He had a special **antenna** for public relations

relay

v. to receive and pass something, such as information or a message, from one person or group to another; to broadcast something on television, radio, etc.
synonym : pass on, transmit, broadcast

(1) **relay** a scene, (2) **relay** a request
Please **relay** the news to the world.

satellite

n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

synonym : orbiter, asteroid, moon

(1) a GPS **satellite**, (2) a meteorological **satellite**

Launching an artificial **satellite** contributed to the technological development of our country.

landscape

n. an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance

synonym : geography, terrain, topography

(1) a peaceful **landscape**, (2) **landscape** painting

Recent electoral shocks have shaken the political **landscape** in Europe.

alien

n. a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere

synonym : foreigner, unfamiliar, unknown

(1) **alien** fungi, (2) resident **aliens**

Alien species have drastically altered the ecosystem in this area.

magical

adj. produced by or containing supernatural powers

synonym : enchanting, occult, supernatural

(1) **magical** place, (2) **magical** powers

When I was a child, my mother often cast **magical** spells to ease my pain whenever I was injured.

invisible

adj. impossible or nearly impossible to see

synonym : hidden, imperceptible, unseen

(1) an **invisible** asset, (2) **invisible** stars

The phenomenon is **invisible** at optical wavelengths.

wavelength

n. the distance between two points in the same phase in consecutive cycles of a wave

(1) **wavelength** of light, (2) long- **wavelength** laser

White color is made up of many different **wavelengths** of light.

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.

inspiration

n. something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

synonym: motivation, drive, encouragement

(1) source of **inspiration**, (2) get **inspiration** from nature

He found **inspiration** in the works of his favorite authors.

ancestor

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

synonym: forebear, forefather, progenitor

(1) **ancestor** language, (2) earliest human **ancestor**

My remote **ancestor** immigrated to the United States from Ireland in the 1800s.

tribe

n. a social group made up of members who live together, sharing the same language, culture, religion, etc., especially those who do not live in towns or cities

synonym: family, clan, kinsfolk

(1) aboriginal **tribe**, (2) mountain **tribe**

The **tribe** had distinctly defined gender roles.

phenomenal

adj. extremely good or impressive; outstanding

synonym: extraordinary, remarkable, impressive

(1) **phenomenal** success, (2) **phenomenal** growth

The athlete's **phenomenal** performance broke all previous

records.

waltz

n. a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure

synonym: ballroom dance, tango, foxtrot

(1) **waltz** music, (2) elegant **waltz**

The dancers practiced the steps of the **waltz** meticulously to perfect their performance.

straight

adj. extending or moving in one direction without bending or curving; having no deviations

synonym: linear, honest, consecutive

(1) a **straight** line, (2) **straight** for two months

He was sick for five **straight** days.

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**.

purposely

adv. with the intention of doing something; deliberately

synonym: intentionally, deliberately, on purpose

(1) **purposely** ignored, (2) **purposely** vague

She **purposely** left her phone at home to disconnect and enjoy her vacation.

ignore

v. to intentionally not listen or pay attention to

synonym: neglect, disregard, shun

(1) **ignore** her advice, (2) **ignore** a ban

Since independence, the area has been completely **ignored**.

ultimate

adj. furthest or highest in degree or order

synonym: highest, maximum, foremost

(1) the **ultimate** goal in life, (2) the **ultimate** luxury
Management must take **ultimate** responsibility for the accident.

equivalent

n. having the same value, quality, meaning, purpose, etc.
synonym: equal, counterpart, match

(1) **equivalent** amounts, (2) **equivalent** in meaning
The European Central Bank is Europe's **equivalent** of the Federal Reserve.

irrelevant

adj. not connected with or related to something and therefore not important

synonym: unrelated, immaterial, extrinsic

(1) an **irrelevant** thought, (2) do something **irrelevant**
They removed **irrelevant** content from the slides.

density

n. the quality of compactness of a substance

synonym: tightness, viscosity

(1) population **density**, (2) higher pixel **density**
Do you know the **density** of the population in Hong Kong?

radiance

n. a shining, brilliant light or glow; a bright or effulgent quality; an aura or distinct energy that emanates from a person or object

synonym: glow, brilliance, shine

(1) **radiance** of the sun, (2) facial **radiance**
The painting was full of vibrance and **radiance**, capturing the essence of the artist's talent.

angular

adj. measured by an angle or by the rate of change of an angle; having angles or an angular shape

synonym: jagged, angulate

(1) **angular** mountain ridge, (2) **angular** momentum
Any rotating body has **angular** momentum about its center of mass.

resolution

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

synonym: determination, decision, settlement

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

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

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.

volume

n. the amount of space occupied by an object or substance; the magnitude of sound

synonym: capacity, amount, intensity

(1) **volume** of work, (2) high **volume**

This container has a **volume** of 10 cubic meters.

Christ

n. the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity

synonym: Savior, Jesus Christ, Jesus

(1) teaching of **Christ**, (2) before **Christ**

Christmas is the day to celebrate the birth of Christ.

crisp

adj. hard, dry, and brittle enough to break easily; cool, fresh, and invigorating

synonym: breakable, brittle, flaky

(1) the **crisp** air of winter, (2) **crisp** manner

Every day he wears a **crisp** white shirt to the office.

frame

n. a strong border or structure of the wood, metal, etc. that surrounds something such as a picture, door, or window

synonym: body, skeleton, scaffolding

(1) a picture **frame**, (2) the **frame** of the policy
The detective looked for fingerprints on the window **frame**.

spatial

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

synonym: dimensional, geographical

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

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

wireless

adj. of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals

synonym: cordless, radio

(1) **wireless** access, (2) **wireless** charging

The office's **wireless** network allows employees to work from anywhere in the building.

confer

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

synonym: consult, meet, discuss

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

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

shenanigan

n. a deceptive or mischievous act or behavior; a playful or mischievous trick; a prank or practical joke

synonym: trickery, mischief, prank

(1) innocent **shenanigans**, (2) playful **shenanigans**

The children's **shenanigans** in the playground resulted in a teacher's reprimand.

disappear

v. to cease to exist or be visible

synonym: fade, evaporate, vanish

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

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

sight

n. the ability to see; anything that is seen

synonym: vision, spectacle, view

(1) an unexpected **sight**, (2) dull **sight**

Many famous **sights** are within walking distance.

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.

astronaut

n. a person trained by a space agency to travel outside the Earth's atmosphere

synonym: spaceman, cosmonaut

(1) **astronaut** mission, (2) **astronaut** in training

The shuttle **astronaut** trained for months before embarking on the space mission.

spacecraft

n. a vehicle designed to travel through space, typically carrying astronauts or scientific instruments

synonym: spaceship, satellite, probe

(1) **spacecraft** launch, (2) alien **spacecraft**

The human-crewed **spacecraft** successfully landed on the moon, fulfilling its mission.

Session 2: Spelling

1. in_____le stars *adj.* impossible or nearly impossible to see
2. temporary me_____l treatment *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
3. di_____ce the explosive power *v.* to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
4. mo_____ry distraction *adj.* lasting for only a brief moment or an extremely short period of time; occurring momentarily
5. co_____e themselves solely *v.* to restrict the movement of someone or something
6. co_____e an average score *v.* to make a mathematical calculation
7. wi_____ss access *adj.* of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals
8. the fr__e of the policy *n.* a strong border or structure of the wood, metal, etc. that surrounds something such as a picture, door, or window
9. back f_n *n.* a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance

ANSWERS: 1. invisible, 2. medical, 3. displace, 4. momentary, 5. confine, 6. compute, 7. wireless, 8. frame, 9. fin

10. professional tra_____or *n.* a person whose job is restating written messages from one language to another
11. in_____e a feeling of curiosity *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
12. before Ch____t *n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity
13. ad____t the rearview mirror *v.* to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.
14. office se__p *n.* the arrangement or organization of something, often with a specific purpose or intention; a scheme or plan that is intended to deceive or trick someone
15. pr_____e analyses *adj.* sharply exact or accurate or delimited
16. a me_____l opinion *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
17. wi_____ss charging *adj.* of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals
18. mo_____r the data carefully *v.* to observe, check, and track the progress or quality of something over a period of time

ANSWERS: 10. translator, 11. inspire, 12. Christ, 13. adjust, 14. setup, 15. precise, 16. medical, 17. wireless, 18. monitor

19. a car with 1800 cc dis_____ent *n.* the act of forcing someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
20. dem_____te mastery *v.* to display something or give an exhibition to an interested audience
21. de_____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
22. estimate pr_____e costs *adj.* sharply exact or accurate or delimited
23. get ins_____on from nature *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
24. the mouth of the c__e *n.* a large hole in the side of a hill, cliff, mountain, or under the ground
25. as__p at the wheel *adj.* in a state of sleep
26. bi_____ics for visitors *adj.* relating to the measurement and analysis of unique physical or behavioral characteristics of an individual, such as fingerprints or voice patterns, often used for identification or security purposes; (noun, biometrics) the use of measurable biological characteristics or traits, such as fingerprints, facial recognition, iris scans, or voice recognition, to identify or authenticate individuals

ANSWERS: 19. displacement, 20. demonstrate, 21. develop, 22. precise, 23. inspiration, 24. cave, 25. asleep, 26. biometric

27. co___r degree *v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
28. elegant wa__z *n.* a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure
29. satisfy my intellectual cu_____ty *n.* a strong desire to know or learn about something
30. go___n a public enterprise *v.* to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services
31. com_____te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
32. imm_____ly recall a product *adv.* now or without delay
33. ha___c perception *adj.* of or relating to or involving the sense of touch
34. re_____ne customer experience *v.* to change the meaning or interpretation of something; to make people think about something in a new or different way
35. extend the TV an_____a *n.* an electrical device that sends or receives radio or television signals; (biology) one of one or more pairs of appendages used for sensing in insects

ANSWERS: 27. confer, 28. waltz, 29. curiosity, 30. govern, 31. communicate, 32. immediately, 33. haptic, 34. redefine, 35. antenna

36. or____ry annual revenue *adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree
37. abs_____ly against *adv.* without restriction or limitation; completely or utterly
38. rem_____le achievement *adj.* worthy of attention because unusual or special
39. cr__y about cars and racing *adj.* stupid or not sensible; very angry
40. buck and d_e *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
41. an elegant ent_____ent *n.* public shows, films, television, or other performances or activities of enjoying people
42. equ_____nt in meaning *n.* having the same value, quality, meaning, purpose, etc.
43. commercial j_t *n.* a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
44. ca___l effect *adj.* relating to or indicating a cause or the relationship between causes and effects; resulting from a cause
45. be killed in_____ly *adv.* immediately
46. 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
47. the ma___x of Western civilization *n.* a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops

ANSWERS: 36. ordinary, 37. absolutely, 38. remarkable, 39. crazy, 40. doe, 41. entertainment, 42. equivalent, 43. jet, 44. causal, 45. instantly, 46. discovery, 47. matrix

48. aut_____ate documents *v.* to confirm or verify the validity or authenticity of something; to prove or establish that something is genuine or true
49. principles of un_____al design *adj.* existing or affecting everywhere or everyone
50. a di_____t memory *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
51. l__p of faith *v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward
52. me_____ze with magic *v.* to captivate or fascinate; to hold the complete attention of
53. sup_____er leader *n.* a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities
54. wa__z music *n.* a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure
55. long-wav_____th laser *n.* the distance between two points in the same phase in consecutive cycles of a wave
56. unsatisfied de___e *n.* a strong feeling of wanting to have or do something

ANSWERS: 48. authenticate, 49. universal, 50. distant, 51. leap, 52. mesmerize, 53. superpower, 54. waltz, 55. wavelength, 56. desire

57. numeric ke____rd *n.* device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work
58. equ_____nt amounts *n.* having the same value, quality, meaning, purpose, etc.
59. walk on_____e *adv.* onto or on a stage in a theater; in front of an audience
60. pro_____on technology *n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
61. spa_____ft launch *n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
62. ch_____al grill *n.* a black, porous substance made by burning wood or other organic matter in the absence of air, often used for drawing or cooking
63. digitization of an____g sounds *adj.* relating to or using signals or information represented by a continuous physical quantity such as spatial position, voltage, etc.
64. fleshly de____e *n.* a strong feeling of wanting to have or do something
65. nuclear pro_____on *n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
66. optical hol_____hy *n.* a technique for creating three-dimensional images using lasers to record and reconstruct interference patterns

ANSWERS: 57. keyboard, 58. equivalent, 59. onstage, 60. propulsion, 61. spacecraft, 62. charcoal, 63. analog, 64. desire, 65. propulsion, 66. holography

67. 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
68. cr__p manner
adj. hard, dry, and brittle enough to break easily; cool, fresh, and invigorating
69. a meteorological sa_____te
n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
70. hu_____g bird
adj. producing a continuous, low, vibrating sound like that of the bee
71. 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
72. di_____ar without a trace
v. to cease to exist or be visible
73. the crosswise di_____on
n. a measurable extent of a particular kind, such as width, height, or length
74. ob_____e a tradition
v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
75. unt_____ed phone
adj. not tied or secured to anything; free to move or roam without restriction or confinement

ANSWERS: 67. planet, 68. crisp, 69. satellite, 70. humming, 71. digital, 72. disappear, 73. dimension, 74. observe, 75. untethered

76. innocent she_____ans *n.* a deceptive or mischievous act or behavior; a playful or mischievous trick; a prank or practical joke
77. en_____e the flavor of the vanilla *v.* to increase or improve the quality, amount, or strength of someone or something
78. d_e rabbit *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
79. human ev_____on *n.* a gradual process of transformation of living things
80. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
81. pe_____ar way *adj.* odd and uncommon, sometimes in an unpleasant way
82. facial ra_____ce *n.* a shining, brilliant light or glow; a bright or effulgent quality; an aura or distinct energy that emanates from a person or object
83. ho_____am technology *n.* a three-dimensional image produced by the interference of light beams from a laser or other coherent light sources used for artistic, scientific, or commercial applications
84. a st_____ht line *adj.* extending or moving in one direction without bending or curving; having no deviations
85. phe_____al success *adj.* extremely good or impressive; outstanding

ANSWERS: 76. shenanigan, 77. enhance, 78. doe, 79. evolution, 80. communicate, 81. peculiar, 82. radiance, 83. hologram, 84. straight, 85. phenomenal

86. in_____ly cope with *adv.* immediately
87. a f_n of a plane *n.* a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
88. gi__t tech company *adj.* enormous; much bigger or more important than similar items usually are
89. in___e criticism *v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place
90. ex_____ge a few friendly words *v.* to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded
91. phe_____al growth *adj.* extremely good or impressive; outstanding
92. sq___t against the sun *v.* to look at something with half-closed eyes, especially when trying to see more clearly or in bright light; to consider or examine something with suspicion, doubt, or skepticism
93. artifact of a pr_____ve humankind *adj.* of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style
94. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly

ANSWERS: 86. instantly, 87. fin, 88. giant, 89. invite, 90. exchange, 91. phenomenal, 92. squint, 93. primitive, 94. absolutely

95. ro__r mission *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
96. co_____e the value *v.* to make a mathematical calculation
97. in_____te appetite *adj.* unlimited or very great; impossible to measure
98. helpful e_f *n.* a mythical creature typically depicted as a small, mischievous being with pointed ears and magical powers
99. anthropology lab_____ry *n.* a workplace for doing scientific research or teaching science; a lab
100. an_____or language *n.* a person from whom one is descended; a forefather
101. la_____pe painting *n.* an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance
102. flour made from gr__n *n.* wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance
103. pi__l density *n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image
104. al__n fungi *n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
105. mo_____ry pause *adj.* lasting for only a brief moment or an extremely short period of time; occurring momentarily

ANSWERS: 95. rover, 96. compute, 97. infinite, 98. elf, 99. laboratory, 100. ancestor, 101. landscape, 102. grain, 103. pixel, 104. alien, 105. momentary

106. high vo___e *n.* the amount of space occupied by an object or substance; the magnitude of sound
107. a picture fr__e *n.* a strong border or structure of the wood, metal, etc. that surrounds something such as a picture, door, or window
108. 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
109. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
110. an irr_____nt thought *adj.* not connected with or related to something and therefore not important
111. change ri__y behavior *adj.* involving the possibility of danger, failure, or loss
112. mischievous e_f *n.* a mythical creature typically depicted as a small, mischievous being with pointed ears and magical powers
113. l__p to a conclusion *v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward
114. electronic tra_____or *n.* a person whose job is restating written messages from one language to another

ANSWERS: 106. volume, 107. frame, 108. perception, 109. interaction, 110. irrelevant, 111. risky, 112. elf, 113. leap, 114. translator

115. st____ht for two months *adj.* extending or moving in one direction without bending or curving; having no deviations
116. an unexpected si__t *n.* the ability to see; anything that is seen
117. co____r honor *v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
118. ex____e the crowd *v.* to make someone feel suddenly enthusiastic or eager
119. earliest human an____or *n.* a person from whom one is descended; a forefather
120. 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
121. bi____ic recognition *adj.* relating to the measurement and analysis of unique physical or behavioral characteristics of an individual, such as fingerprints or voice patterns, often used for identification or security purposes; (noun, biometrics) the use of measurable biological characteristics or traits, such as fingerprints, facial recognition, iris scans, or voice recognition, to identify or authenticate individuals
122. a per____ve view *n.* a confident attitude toward something; a particular style of thinking about something
123. trading of vi____l currencies *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact

ANSWERS: 115. straight, 116. sight, 117. confer, 118. excite, 119. ancestor, 120. cheat, 121. biometric, 122. perspective, 123. virtual

124. an____a of insect *n.* an electrical device that sends or receives radio or television signals; (biology) one of one or more pairs of appendages used for sensing in insects
125. the per_____ve of the battle *n.* a confident attitude toward something; a particular style of thinking about something
126. source of ins_____on *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
127. sp_____l distribution *adj.* of or relating space and the position, area, and size of things
128. cou_____us rescue attempt *adj.* able to face and deal with danger or fear without flinching
129. against tr_____on *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
130. 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
131. ex_____ge rate *v.* to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded

ANSWERS: 124. antenna, 125. perspective, 126. inspiration, 127. spatial, 128. courageous, 129. tradition, 130. stick, 131. exchange

132. te____rt to any location in the world *v.* to transport or transmit instantly from one location to another, typically using advanced technology or imagined supernatural powers
133. ho____am projection *n.* a three-dimensional image produced by the interference of light beams from a laser or other coherent light sources used for artistic, scientific, or commercial applications
134. extreme tem____res *n.* the degree of hotness or coldness of a thing or place
135. the rem____le breadth of knowledge *adj.* worthy of attention because unusual or special
136. pe____ar people *adj.* odd and uncommon, sometimes in an unpleasant way
137. co____e head-on *v.* to hit something violently when moving
138. network se__p *n.* the arrangement or organization of something, often with a specific purpose or intention; a scheme or plan that is intended to deceive or trick someone
139. ke____rd instruments *n.* device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work
140. res____on of a conflict *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

ANSWERS: 132. teleport, 133. hologram, 134. temperature, 135. remarkable, 136. peculiar, 137. collide, 138. setup, 139. keyboard, 140. resolution

141. domiciliary c__es *n.* a large hole in the side of a hill, cliff, mountain, or under the ground
142. ex___e rebellion *v.* to make someone feel suddenly enthusiastic or eager
143. dem_____te a difference *v.* to display something or give an exhibition to an interested audience
144. ov___y excessive *adv.* to a greater degree than is appropriate or desirable
145. air de___d of pollution *adj.* completely lacking or free from something
146. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
147. vo___e of work *n.* the amount of space occupied by an object or substance; the magnitude of sound
148. a l___s with a wide angle *n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation
149. ma_____us performance *adj.* causing wonder or astonishment; excellent
150. wav_____th of light *n.* the distance between two points in the same phase in consecutive cycles of a wave
151. 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

ANSWERS: 141. cave, 142. excite, 143. demonstrate, 144. overly, 145. devoid, 146. engineer, 147. volume, 148. lens, 149. marvelous, 150. wavelength, 151. universe

152. higher pixel de_____y *n.* the quality of compactness of a substance
153. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
154. an or_____ry school *adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree
155. un_____al life *adj.* existing or affecting everywhere or everyone
156. d__l up the volume *v.* to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called
157. laws of qu_____m mechanics *n.* the smallest amount or unit of something, especially (electromagnetic) energy
158. ad____t a schedule *v.* to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.
159. interstate co_____ce *n.* the activity of buying and selling things, especially on a large scale
160. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
161. 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: 152. density, 153. laboratory, 154. ordinary, 155. universal, 156. dial, 157. quantum, 158. adjust, 159. commerce, 160. environment, 161. cheat

162. i__n for young people *n.* a picture or statue of a holy person considered to be a sacred thing; a little icon on the screen of a computer or smartphone that denotes an application or a file
163. ra____ce of the sun *n.* a shining, brilliant light or glow; a bright or effulgent quality; an aura or distinct energy that emanates from a person or object
164. an____r mountain ridge *adj.* measured by an angle or by the rate of change of an angle; having angles or an angular shape
165. a ri__y enterprise *adj.* involving the possibility of danger, failure, or loss
166. a tr____on of a culture *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
167. di____ce workers *v.* to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
168. dead as____p *adj.* in a state of sleep
169. ha____c feedback *adj.* of or relating to or involving the sense of touch
170. completely fas____ng to me *adj.* extremely interesting
171. the stock market co____sed *v.* to fall down or give way suddenly, often after breaking apart

ANSWERS: 162. icon, 163. radiance, 164. angular, 165. risky, 166. tradition, 167. displace, 168. asleep, 169. haptic, 170. fascinating, 171. collapse

172. playful she_____ans *n.* a deceptive or mischievous act or behavior; a playful or mischievous trick; a prank or practical joke
173. teaching of Ch____t *n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity
174. sma_____ne addict *n.* a mobile phone that functions as a computer and connects to the Internet
175. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
176. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
177. te_____rt objects through space *v.* to transport or transmit instantly from one location to another, typically using advanced technology or imagined supernatural powers
178. ca_____e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
179. scenic va_____ss *n.* the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale
180. a cr__y scheme *adj.* stupid or not sensible; very angry
181. aboriginal tr__e *n.* a social group made up of members who live together, sharing the same language, culture, religion, etc., especially those who do not live in towns or cities

ANSWERS: 172. shenanigan, 173. Christ, 174. smartphone, 175. engineer, 176. environment, 177. teleport, 178. capture, 179. vastness, 180. crazy, 181. tribe

192. de___d of life *adj.* completely lacking or free from something
193. d__l down the tension *v.* to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called
194. let me en_____in you with music *v.* to keep a group of people interested or excited; to take into consideration an idea or feeling
195. a prodigious vi___n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
196. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
197. in_____e him to write a novel *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
198. in_____ct directly with customers *v.* to communicate or react with somebody
199. re__y a scene *v.* to receive and pass something, such as information or a message, from one person or group to another; to broadcast something on television, radio, etc.
200. ca___l chain *adj.* relating to or indicating a cause or the relationship between causes and effects; resulting from a cause
201. dull si__t *n.* the ability to see; anything that is seen

ANSWERS: 192. devoid, 193. dial, 194. entertain, 195. vision, 196. amazing, 197. inspire, 198. interact, 199. relay, 200. causal, 201. sight

202. limitless va_____ss *n.* the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale
203. ma_____us power *adj.* causing wonder or astonishment; excellent
204. the evidence of the pr_____ce *n.* the fact or state that someone or something exists, occurs, or is present
205. pe_____ve language *adj.* spreading or existing throughout every part of a thing or place
206. 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
207. re__y a request *v.* to receive and pass something, such as information or a message, from one person or group to another; to broadcast something on television, radio, etc.
208. his majestic pr_____ce *n.* the fact or state that someone or something exists, occurs, or is present
209. co_____in his freedom *v.* to restrict or limit someone or something's freedom or ability to do something
210. sq___t at the radar screen *v.* to look at something with half-closed eyes, especially when trying to see more clearly or in bright light; to consider or examine something with suspicion, doubt, or skepticism

ANSWERS: 202. vastness, 203. marvelous, 204. presence, 205. pervasive, 206. perception, 207. relay, 208. presence, 209. constrain, 210. squint

211. m_r a proper relationship *v.* to damage or spoil the appearance or surface of something
212. an an___g watch *adj.* relating to or using signals or information represented by a continuous physical quantity such as spatial position, voltage, etc.
213. theory of the un___se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
214. population de___y *n.* the quality of compactness of a substance
215. ma___l powers *adj.* produced by or containing supernatural powers
216. di___t ancestors *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
217. appeared on___e *adv.* onto or on a stage in a theater; in front of an audience
218. a vi___l image *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
219. without a gl___r of truth *n.* a flash of light especially unsteady or reflected light; a slight sign of something
220. telescopic vi___n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
221. in___te in supply *adj.* unlimited or very great; impossible to measure

ANSWERS: 211. mar, 212. analog, 213. universe, 214. density, 215. magical, 216. distant, 217. onstage, 218. virtual, 219. glimmer, 220. vision, 221. infinite

222. as _____ut in training *n.* a person trained by a space agency to travel outside the Earth's atmosphere
223. as _____ut mission *n.* a person trained by a space agency to travel outside the Earth's atmosphere
224. the ul _____te goal in life *adj.* furthest or highest in degree or order
225. fas _____ng story *adj.* extremely interesting
226. co _____in information flow *v.* to restrict or limit someone or something's freedom or ability to do something
227. te _____al history *adj.* of or relating to time as opposed to eternity
228. ig ___e her advice *v.* to intentionally not listen or pay attention to
229. miniature re _____a *n.* an exact copy of something such as a work of art
230. have an aw _____e birthday *adj.* inspiring fear, admiration, or respect; very good, nice, fun, etc.
231. ov ___y unnecessary *adv.* to a greater degree than is appropriate or desirable
232. se _____ly, it is important *adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.
233. gr _____ar data *adj.* consisting of or resembling small grains or particles; having a rough, irregular texture or appearance
234. a gr _____ar medicine *adj.* consisting of or resembling small grains or particles; having a rough, irregular texture or appearance

ANSWERS: 222. astronaut, 223. astronaut, 224. ultimate, 225. fascinating, 226. constrain, 227. temporal, 228. ignore, 229. replica, 230. awesome, 231. overly, 232. secondly, 233. granular, 234. granular

235. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
236. me_____ze a subject *v.* to captivate or fascinate; to hold the complete attention of
237. dis_____ent camp *n.* the act of forcing someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
238. si_____ar purpose *n.* being only one of its kind; unique
239. rec_____on award *n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
240. mountain tr__e *n.* a social group made up of members who live together, sharing the same language, culture, religion, etc., especially those who do not live in towns or cities
241. 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
242. new di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
243. the br__d of the new car *n.* a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning

ANSWERS: 235. amazing, 236. mesmerize, 237. displacement, 238. singular, 239. recognition, 240. tribe, 241. digital, 242. dimension, 243. brand

244. a convex l__s *n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation
245. a peaceful la_____pe *n.* an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance
246. the pe_____ve odor of garlic *adj.* spreading or existing throughout every part of a thing or place
247. a GPS sa_____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
248. resident al__ns *n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
249. an_____r momentum *adj.* measured by an angle or by the rate of change of an angle; having angles or an angular shape
250. co_____e in midair *v.* to hit something violently when moving
251. boundless cu_____ty *n.* a strong desire to know or learn about something
252. aut_____ate software license *v.* to confirm or verify the validity or authenticity of something; to prove or establish that something is genuine or true

ANSWERS: 244. lens, 245. landscape, 246. pervasive, 247. satellite, 248. alien, 249. angular, 250. collide, 251. curiosity, 252. authenticate

253. t_p a new market *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
254. t_p keyboard with an index finger *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
255. make a cou_____us decision *adj.* able to face and deal with danger or fear without flinching
256. 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
257. co_____e the scope of use *v.* to restrict the movement of someone or something
258. tracking de____e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
259. ma____x multiplication *n.* a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops
260. a nation's right to go____n *v.* to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services

ANSWERS: 253. tap, 254. tap, 255. courageous, 256. discovery, 257. confine, 258. device, 259. matrix, 260. govern

261. de____p a skill
v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
262. im____e the test score
v. to make or become better
263. aw____e mental faculty
adj. inspiring fear, admiration, or respect; very good, nice, fun, etc.
264. sup____er country
n. a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities
265. private j_t
n. a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
266. laws of ph____s
n. the science of matter and energy and their interactions
267. tr____rm heat into power
v. to change in outward structure or looks;
268. di____ar after a week
v. to cease to exist or be visible
269. the cr__p air of winter
adj. hard, dry, and brittle enough to break easily; cool, fresh, and invigorating
270. hu____g sound
adj. producing a continuous, low, vibrating sound like that of the bee
271. pu____ly vague
adv. with the intention of doing something; deliberately

ANSWERS: 261. develop, 262. improve, 263. awesome, 264. superpower, 265. jet, 266. physics, 267. transform, 268. disappear, 269. crisp, 270. humming, 271. purposely

272. a gr__n of sand *n.* wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance
273. ig___e a ban *v.* to intentionally not listen or pay attention to
274. re_____ne our role *v.* to change the meaning or interpretation of something; to make people think about something in a new or different way
275. si_____ar goal *n.* being only one of its kind; unique
276. en_____e value *v.* to increase or improve the quality, amount, or strength of someone or something
277. an in_____le asset *adj.* impossible or nearly impossible to see
278. write him an answer imm_____ly *adv.* now or without delay
279. display res_____on *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
280. se_____ly connected *adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.
281. pro_____tic approach *adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks

ANSWERS: 272. grain, 273. ignore, 274. redefine, 275. singular, 276. enhance, 277. invisible, 278. immediately, 279. resolution, 280. secondly, 281. probabilistic

282. mo____r an exam *v.* to observe, check, and track the progress or quality of something over a period of time
283. electronic de____e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
284. nuclear ph____s *n.* the science of matter and energy and their interactions
285. a te____al restriction *adj.* of or relating to time as opposed to eternity
286. ex____d a line *v.* to broaden in scope, range, or area
287. give a gl____r of light *n.* a flash of light especially unsteady or reflected light; a slight sign of something
288. ca____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
289. pr____ve society *adj.* of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style
290. 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
291. ma____l place *adj.* produced by or containing supernatural powers
292. a warm em____e *v.* to accept something willingly and enthusiastically; (noun) the act of clasping another person in the arms as in greeting or affection

ANSWERS: 282. monitor, 283. device, 284. physics, 285. temporal, 286. extend, 287. glimmer, 288. capture, 289. primitive, 290. observe, 291. magical, 292. embrace

293. probabilistic qu_____m theory *n.* the smallest amount or unit of something, especially (electromagnetic) energy
294. im_____e a process *v.* to make or become better
295. en_____in a guest *v.* to keep a group of people interested or excited; to take into consideration an idea or feeling
296. tr_____rm an education system *v.* to change in outward structure or looks;
297. ready to co_____se *v.* to fall down or give way suddenly, often after breaking apart
298. television i__n *n.* a picture or statue of a holy person considered to be a sacred thing; a little icon on the screen of a computer or smartphone that denotes an application or a file
299. hour of ent_____ent *n.* public shows, films, television, or other performances or activities of enjoying people
300. the local chamber of co_____ce *n.* the activity of buying and selling things, especially on a large scale
301. m_r the reputation *v.* to damage or spoil the appearance or surface of something
302. pro_____tic model *adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
303. ev_____on theory *n.* a gradual process of transformation of living things

ANSWERS: 293. quantum, 294. improve, 295. entertain, 296. transform, 297. collapse, 298. icon, 299. entertainment, 300. commerce, 301. mar, 302. probabilistic, 303. evolution

304. joint rec_____on *n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
305. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
306. 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
307. lunar ro____r *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
308. 3D hol_____hy *n.* a technique for creating three-dimensional images using lasers to record and reconstruct interference patterns
309. create a br____d logo *n.* a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning
310. in_____ct with one another *v.* to communicate or react with somebody
311. exact re_____a *n.* an exact copy of something such as a work of art
312. unt_____ed from reality *adj.* not tied or secured to anything; free to move or roam without restriction or confinement

ANSWERS: 304. recognition, 305. interaction, 306. planet, 307. rover, 308. holography, 309. brand, 310. interact, 311. replica, 312. untethered

313. alien spa_____ft *n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
314. sp_____l ability *adj.* of or relating space and the position, area, and size of things
315. sma_____ne app developer *n.* a mobile phone that functions as a computer and connects to the Internet
316. ex____d the warranty *v.* to broaden in scope, range, or area

ANSWERS: 313. spacecraft, 314. spatial, 315. smartphone, 316. extend

Session 3: Fill in the Blanks

1. I remembered that person _____ and never forgot.
adv. immediately
2. The news of her promotion _____ her.
v. to make someone feel suddenly enthusiastic or eager
3. In a _____ system, the outcome is uncertain and can vary based on chance.
adj. characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
4. The _____ for the conference was impressive and professional.
n. the arrangement or organization of something, often with a specific purpose or intention; a scheme or plan that is intended to deceive or trick someone
5. The dancers practiced the steps of the _____ meticulously to perfect their performance.
n. a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure
6. 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
7. The _____ of the bees filled the air as she walked through the garden.
adj. producing a continuous, low, vibrating sound like that of the bee

ANSWERS: 1. instantly, 2. excited, 3. probabilistic, 4. setup, 5. waltz, 6. perception, 7. humming

8. The animal was _____ in a small cage.
v. to restrict the movement of someone or something
9. Ordinary air purifiers cannot adequately remove pollen _____.
n. wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance
10. The _____ of the two groups is good for brainstorming.
n. the act of connecting with someone, mainly when working, playing, or spending time with them
11. The movie was _____ dramatic, with exaggerated emotions and cliched plot twists.
adv. to a greater degree than is appropriate or desirable
12. 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
13. The European Central Bank is Europe's _____ of the Federal Reserve.
n. having the same value, quality, meaning, purpose, etc.
14. We are motivated by _____ rather than necessity.
n. a strong desire to know or learn about something
15. The golfer recorded an _____ distance.
adj. extremely surprising, especially in a way that you like or admire

ANSWERS: 8. confined, 9. grains, 10. interaction, 11. overly, 12. observe, 13. equivalent, 14. curiosity, 15. amazing

16. The phenomenon is _____ at optical wavelengths.

adj. impossible or nearly impossible to see

17. When I was a child, my mother often cast _____ spells to ease my pain whenever I was injured.

adj. produced by or containing supernatural powers

18. Launching an artificial _____ contributed to the technological development of our country.

n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

19. Firstly, we will discuss the budget; _____ we will go over the schedule.

adv. used to introduce the second point or item in a list or series of statements, considerations, etc.

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

adv. without restriction or limitation; completely or utterly

21. The new smartphone has _____ authentication, such as facial recognition and fingerprint scanning.

adj. relating to the measurement and analysis of unique physical or behavioral characteristics of an individual, such as fingerprints or voice patterns, often used for identification or security purposes; (noun, biometrics) the use of measurable biological characteristics or traits, such as fingerprints, facial recognition, iris scans, or voice recognition, to identify or authenticate individuals

22. The painting was full of vibrance and _____ capturing the essence of the artist's talent.

n. a shining, brilliant light or glow; a bright or effulgent quality; an aura or distinct energy that emanates from a person or object

ANSWERS: 16. invisible, 17. magical, 18. satellite, 19. secondly, 20. absolutely, 21. biometric, 22. radiance,

23. 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

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

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

25. He found _____ in the works of his favorite authors.

n. something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

26. I had to _____ my eyes to read the small print on the menu.

v. to look at something with half-closed eyes, especially when trying to see more clearly or in bright light; to consider or examine something with suspicion, doubt, or skepticism

27. The sun set over the crest of _____ hills.

adj. far away in space, time, or where you are; far apart in relevance, relationship, or kinship

28. The construction of the new dam will _____ hundreds of families living downstream.

v. to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation

29. There is however a _____ of hope.

n. a flash of light especially unsteady or reflected light; a slight sign of something

30. 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

ANSWERS: 23. medical, 24. ancestor, 25. inspiration, 26. squint, 27. distant, 28. displace, 29. glimmer, 30. discovery

31. The hotel is famous for its _____ including the casino.
n. public shows, films, television, or other performances or activities of enjoying people
32. Internet traffic volumes have increased significantly with the advent of _____.
n. a mobile phone that functions as a computer and connects to the Internet
33. There is a lot of _____ nature and food in Hawaii.
adj. inspiring fear, admiration, or respect; very good, nice, fun, etc.
34. The _____ of the residents was a consequence of the construction of the new highway.
n. the act of forcing someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
35. I dressed up as an ____ for the Christmas party.
n. a mythical creature typically depicted as a small, mischievous being with pointed ears and magical powers
36. Her visit will _____ from Monday to Friday.
v. to broaden in scope, range, or area
37. The human-crewed _____ successfully landed on the moon, fulfilling its mission.
n. a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
38. Animal protection groups call for an end to animal testing in a _____.
n. a workplace for doing scientific research or teaching science; a lab

ANSWERS: 31. entertainment, 32. smartphones, 33. awesome, 34. displacement, 35. elf, 36. extend, 37. spacecraft, 38. laboratory

39. 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
40. Driving is difficult for me because of my poor _____.
n. the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
41. 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
42. They watched the train _____ into the distance.
v. to cease to exist or be visible
43. The _____ jets gradually dominate the world's airlines.
adj. enormous; much bigger or more important than similar items usually are
44. The detective looked for fingerprints on the window _____.
n. a strong border or structure of the wood, metal, etc. that surrounds something such as a picture, door, or window
45. A suspension order from the court is effective _____.
adv. now or without delay
46. _____ is the day to celebrate the birth of Christ.
n. the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity

ANSWERS: 39. device, 40. vision, 41. cheated, 42. disappear, 43. giant, 44. frame, 45. immediately, 46. Christmas

47. You have to _____ your content to the age of the audience.
- v.* to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.
48. An artist sculpted a full-size _____ of her body.
- n.* an exact copy of something such as a work of art
49. The office's _____ network allows employees to work from anywhere in the building.
- adj.* of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals
50. White color is made up of many different _____ of light.
- n.* the distance between two points in the same phase in consecutive cycles of a wave
51. The _____ of the ocean was awe-inspiring and humbling.
- n.* the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale
52. The leaders of the two countries met to _____ on the issue.
- v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
53. The museum had a _____ exhibit that was very popular with visitors.
- n.* a three-dimensional image produced by the interference of light beams from a laser or other coherent light sources used for artistic, scientific, or commercial applications
54. He refused to _____ our proposal.
- v.* to keep a group of people interested or excited; to take into consideration an idea or feeling

ANSWERS: 47. adjust, 48. replica, 49. wireless, 50. wavelengths, 51. vastness, 52. confer, 53. hologram, 54. entertain

55. The security system requires users to _____ their identity before gaining access.
- v.* to confirm or verify the validity or authenticity of something; to prove or establish that something is genuine or true
56. They study the _____ of the universe.
- n.* a gradual process of transformation of living things
57. The shuttle _____ trained for months before embarking on the space mission.
- n.* a person trained by a space agency to travel outside the Earth's atmosphere
58. He performed his magic trick _____ leaving the audience in awe.
- adv.* onto or on a stage in a theater; in front of an audience
59. 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
60. The industry in this country is still _____.
- adj.* of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style
61. We must _____ a new system to streamline our workflow and increase efficiency.
- v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

ANSWERS: 55. authenticate, 56. evolution, 57. astronaut, 58. onstage, 59. stick, 60. primitive, 61. develop

62. I was able to _____ the moment on film.

- v.* to catch a person or an animal and confine them in an area which they cannot escape

63. Mercury thermometers are a type of _____ sensor.

- adj.* relating to or using signals or information represented by a continuous physical quantity such as spatial position, voltage, etc.

64. 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

65. 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

66. Recent electoral shocks have shaken the political _____ in Europe.

- n.* an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance

67. The political situation _____ the country's economic growth and foreign relations.

- v.* to restrict or limit someone or something's freedom or ability to do something

68. He made a New Year's _____ to exercise more and eat healthier.

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

ANSWERS: 62. capture, 63. analog, 64. universe, 65. digital, 66. landscape, 67. constrained, 68. resolution

69. They removed _____ content from the slides.

adj. not connected with or related to something and therefore not important

70. It is extremely _____ to sail in such a storm.

adj. involving the possibility of danger, failure, or loss

71. The photographer took this photo using a telephoto _____.

n. a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation

72. The artist used _____ drawing to create a realistic portrait of her subject.

n. a black, porous substance made by burning wood or other organic matter in the absence of air, often used for drawing or cooking

73. Management must take _____ responsibility for the accident.

adj. furthest or highest in degree or order

74. The path to a solid online _____ necessitates a high technical ability.

n. the fact or state that someone or something exists, occurs, or is present

75. The author discovered that the _____ had inserted several unique interpretations into his book.

n. a person whose job is restating written messages from one language to another

76. She _____ left her phone at home to disconnect and enjoy her vacation.

adv. with the intention of doing something; deliberately

ANSWERS: 69. irrelevant, 70. risky, 71. lens, 72. charcoal, 73. ultimate, 74. presence, 75. translator, 76. purposely

77. He should _____ more with his colleagues.

v. to communicate or react with somebody

78. He carefully determined the _____ relations of every piece of the stage set.

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

79. Please _____ the news to the world.

v. to receive and pass something, such as information or a message, from one person or group to another; to broadcast something on television, radio, etc.

80. The unique style of this martial arts _____ many action film producers.

v. to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

81. Big techs are now eager to develop _____ computers.

n. the smallest amount or unit of something, especially (electromagnetic) energy

82. Every day he wears a _____ white shirt to the office.

adj. hard, dry, and brittle enough to break easily; cool, fresh, and invigorating

83. The scratches on the car _____ its otherwise perfect appearance.

v. to damage or spoil the appearance or surface of something

84. The _____ session of the Diet opened.

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

85. Any rotating body has _____ momentum about its center of mass.

adj. measured by an angle or by the rate of change of an angle; having angles or an angular shape

ANSWERS: 77. interact, 78. spatial, 79. relay, 80. inspired, 81. quantum, 82. crisp, 83. marred, 84. ordinary, 85. angular

86. Many famous _____ are within walking distance.

n. the ability to see; anything that is seen

87. Every human is responsible for taking care of the Earth's _____.

n. the natural world such as air, water, and land in which humans, animals, and plants live

88. 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

89. Suspicion and worry were _____ in our minds.

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

90. The rain and thunder are _____ today.

adj. stupid or not sensible; very angry

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

n. the quality of compactness of a substance

92. There's a new _____ of hero in the movies now.

n. a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning

93. This container has a _____ of 10 cubic meters.

n. the amount of space occupied by an object or substance; the magnitude of sound

ANSWERS: 86. sights, 87. environment, 88. planet, 89. pervasive, 90. crazy, 91. density, 92. brand, 93. volume

94. The room was _____ of any furniture or decorations.

adj. completely lacking or free from something

95. Since independence, the area has been completely _____.

v. to intentionally not listen or pay attention to

96. Bats reside in sheltered _____.

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

97. How can you _____ that the earth is a sphere?

v. to display something or give an exhibition to an interested audience

98. He studied the _____ of radiation.

n. the science of matter and energy and their interactions

99. Low sexual _____ typically correlates with low testosterone levels.

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

100. The ability to fly like a bird is often considered a _____ in comic books and movies.

n. a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities

101. The _____ had distinctly defined gender roles.

n. a social group made up of members who live together, sharing the same language, culture, religion, etc., especially those who do not live in towns or cities

ANSWERS: 94. devoid, 95. ignored, 96. caves, 97. demonstrate, 98. physics, 99. desire, 100. superpower, 101. tribe

102. My father's death _____ my life completely.

v. to change in outward structure or looks;

103. To expand the company, we must ____ new human resources.

v. to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

104. The athlete's _____ performance broke all previous records.

adj. extremely good or impressive; outstanding

105. The video telephony application has _____ the way we work.

v. to change the meaning or interpretation of something; to make people think about something in a new or different way

106. Please strike the "enter" on the _____.

n. device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work

107. The spacecraft's _____ system helped it travel through space.

n. the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means

108. We want to _____ you to our annual charity event.

v. to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place

109. This company has invested heavily in Internet _____.

n. the activity of buying and selling things, especially on a large scale

ANSWERS: 102. transformed, 103. tap, 104. phenomenal, 105. redefined, 106. keyboard, 107. propulsion, 108. invite, 109. commerce

110. The interests of the two countries _____.

v. to hit something violently when moving

111. It is a _____ in many families to have a big Thanksgiving dinner with all their relatives.

n. a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

112. The study aimed to establish a _____ relationship between smoking and lung cancer.

adj. relating to or indicating a cause or the relationship between causes and effects; resulting from a cause

113. I tried to _____ the efficiency of the investment.

v. to make a mathematical calculation

114. The picture earned near-_____ acclaim from critics.

adj. existing or affecting everywhere or everyone

115. The ____ flew over the ocean at high speed, reaching its destination in hours.

n. a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances

116. 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

117. Some comic book characters are considered gay _____.

n. a picture or statue of a holy person considered to be a sacred thing; a little icon on the screen of a computer or smartphone that denotes an application or a file

ANSWERS: 110. collide, 111. tradition, 112. causal, 113. compute, 114. universal, 115. jet, 116. virtual, 117. icons

118. The magician's performance _____ the audience.

v. to captivate or fascinate; to hold the complete attention of

119. The election was a _____ success for the Whigs.

adj. worthy of attention because unusual or special

120. The _____ on Mars is gathering data on the planet's surface and sending it back to Earth.

n. a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon

121. Hunters use a whistle that makes the ____ sound to lure stags.

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

122. My sister and I frequently _____ books, as we love reading.

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

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

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

124. The new strategy will _____ the profitability of our company.

v. to increase or improve the quality, amount, or strength of someone or something

125. The bird flew _____ in the sky.

adj. not tied or secured to anything; free to move or roam without restriction or confinement

ANSWERS: 118. mesmerized, 119. remarkable, 120. rover, 121. doe, 122. exchange, 123. perspective, 124. enhance, 125. untethered

126. The shark's powerful _____ allowed it to swim at high speeds.
n. a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
127. The _____ lapse in concentration caused her to miss the crucial shot.
adj. lasting for only a brief moment or an extremely short period of time; occurring momentarily
128. The roof finally _____ after three days and three nights of heavy snowfall.
v. to fall down or give way suddenly, often after breaking apart
129. The _____ nature of the universe is a subject of much debate among scientists.
adj. of or relating to time as opposed to eternity
130. Dolphins use sound to _____ with each other.
v. to share or exchange information with others by speaking, writing, moving your body, or using other signals
131. Overall _____ are approximately 400x200mm.
n. a measurable extent of a particular kind, such as width, height, or length
132. The view from the top of the mountain was _____.
adj. causing wonder or astonishment; excellent
133. The magician seemed to _____ instantly from one side of the stage to the other.
v. to transport or transmit instantly from one location to another, typically using advanced technology or imagined supernatural powers

ANSWERS: 126. fins, 127. momentary, 128. collapsed, 129. temporal, 130. communicate, 131. dimensions, 132. marvelous, 133. teleport

134. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
135. The _____ beauty of the night sky never ceases to amaze him.
n. being only one of its kind; unique
136. _____ technology uses light interference patterns to create a 3D image.
n. a technique for creating three-dimensional images using lasers to record and reconstruct interference patterns
137. The children's _____ in the playground resulted in a teacher's reprimand.
n. a deceptive or mischievous act or behavior; a playful or mischievous trick; a prank or practical joke
138. He was a _____ soldier who had served his country with honor.
adj. able to face and deal with danger or fear without flinching
139. Cities around the world set records for highest _____ this summer.
n. the degree of hotness or coldness of a thing or place
140. The soil had a _____ texture, making it easy to plant the seeds.
adj. consisting of or resembling small grains or particles; having a rough, irregular texture or appearance
141. He was given _____ for his outstanding work in the field of medicine.
n. the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal

ANSWERS: 134. engineer, 135. singular, 136. Holography, 137. shenanigans, 138. courageous, 139. temperatures, 140. granular, 141. recognition

142. The _____ of numbers on the spreadsheet allowed the accountant to track the company's profits and losses easily.
- n.* a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops
143. The player controls the game with a joystick or other _____ device.
- adj.* of or relating to or involving the sense of touch
144. He had a special _____ for public relations
- n.* an electrical device that sends or receives radio or television signals; (biology) one of one or more pairs of appendages used for sensing in insects
145. He lay down and fell _____ immediately.
- adj.* in a state of sleep
146. The battle had an _____ impact on the nation.
- adj.* unlimited or very great; impossible to measure
147. The athlete was able to _____ over the hurdle with ease.
- v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward
148. We want to _____ ties between our two countries.
- v.* to make or become better
149. The regulations _____ medical malpractice claims are rigorous.
- v.* to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services

ANSWERS: 142. matrix, 143. haptic, 144. antenna, 145. asleep, 146. infinite, 147. leap, 148. improve, 149. governing

150. He _____ the phone number and waited for an answer.

- v.* to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called

151. The juice has a _____ taste.

- adj.* odd and uncommon, sometimes in an unpleasant way

152. The museum houses a _____ collection of Celtic artifacts.

- adj.* extremely interesting

153. The content is _____ and informative for me.

- adj.* sharply exact or accurate or delimited

154. The computer screen comprises thousands of tiny _____ that create the overall picture.

- n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image

155. They used a special receiver to _____ police radio channels.

- v.* to observe, check, and track the progress or quality of something over a period of time

156. The woods _____ the house.

- v.* to accept something willingly and enthusiastically; (noun) the act of clasping another person in the arms as in greeting or affection

157. He was sick for five _____ days.

- adj.* extending or moving in one direction without bending or curving; having no deviations

ANSWERS: 150. dialed, 151. peculiar, 152. fascinating, 153. precise, 154. pixels, 155. monitor, 156. embrace, 157. straight

158. _____ species have drastically altered the ecosystem in this area.

- n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere

ANSWERS: 158. Alien