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Steven Allison: Earth's original inhabitants -- and their role in combating climate change | TED Talk

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

All Words

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Session 1: Word List

microbe

n. a tiny living thing that can only be seen with a microscope and that may cause disease

synonym: germ, microorganism, bacterium

(1) pathogenic **microbe**, (2) **microbes** sterilizer

Microbes thrive on the surface of the human skin.

soil

n. the top layer of Earth in which plants grow

synonym: earth, ground, mud

(1) **soils** retentive of moisture, (2) parched **soil**

Soil moisture is another significant component controlling soil respiration.

sanitize

v. to clean or disinfect something to make it safe or hygienic; to remove potentially harmful or sensitive information from a document or communication

synonym: clean, disinfect, sterilize

(1) **sanitize** surfaces, (2) **sanitize** the kitchen

I always **sanitize** my hands before eating to prevent germs from spreading.

bacteria

n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the

air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

synonym : microorganism, microbe

(1) pathogenic **bacteria**, (2) harmless **bacteria**

Bacteria prevalent in hospitals are often resistant to antibiotics.

grand

adj. important and large in size, scope, or extent

synonym : impressive, great, ambitious

(1) a **grand** meal, (2) **grand** bargain

This year's **grand** gathering will be held in Canada.

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.

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.

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.

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.

chemical

adj. relating to or connected with chemistry;

synonym : chemic, synthetic

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

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

cycle

n. an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

synonym : revolution, rotation, bike

(1) the **cycle** of the seasons, (2) go to the workplace by **cycle**

The food chain causes a material **cycle**.

balance

n. a condition in which everything has the same weight or force; something left after other parts have been taken away

synonym : equilibrium, counterpoise, remainder

(1) the **balance** of power, (2) asset on the company's **balance** sheet

Try to keep a **balance** between work and off.

climate

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

synonym : atmosphere, weather, environment

(1) a cold **climate**, (2) effects of **climate** change

Climate and weather have an impact on every part of our lifestyles.

emit

v. to give off or send out something such as light, heat, sound, gas, etc.

synonym : give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

greenhouse

n. a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
synonym : conservatory

(1) exotic plants in a **greenhouse**, (2) emissions of **greenhouse** gases

The **greenhouse** effect is a phenomenon that happens naturally.

atmosphere

n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
synonym : air, ambiance, circumstances

(1) carbon dioxide in the **atmosphere**, (2) a convivial **atmosphere**

The spaceship began to burn up as it approached the Earth's **atmosphere**.

adaptable

adj. able or willing to modify or be modified to deal with new situations

synonym : flexible, adjustable, elastic

(1) **adaptable** enough for the environment, (2) an **adaptable** person

We seek a candidate who possesses **adaptable** fighting potential.

inhabitant

n. a person or an animal that lives in a particular place
synonym : dweller, occupant, resident

(1) the early **inhabitants** of Europe, (2) **inhabitant** tax
His family is the oldest **inhabitant** of the island.

enamored

adj. deeply in love; having a strong affection or admiration for

synonym : captivated, smitten, in love

(1) **enamored** of the idea, (2) **enamored** of bygone days
He had been **enamored** with her since the first time he saw her.

biology

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

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

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

pathogen

n. a bacterium, virus, or other microorganism that causes disease

synonym: germ, microbe, bacterium

(1) plant **pathogen**, (2) the **pathogen** in the air

mRNA vaccines are approved faster because they do not contain inactivated **pathogens**.

viral

adj. relating to or caused by a virus

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

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

pandemic

n. an outbreak of a disease that affects many people over a very wide area

synonym: outbreak

(1) flu **pandemic**, (2) global **pandemic**

They fear a **pandemic** of a new type of virus.

diversity

n. the quality or fact of many different types of things or people being included in something; a range of different things or people

synonym: variety, multiplicity, variousness

(1) the **diversity** policy of the university, (2) lingual **diversity**

He was impressed by the range and **diversity** of the collection.

encounter

v. to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly

synonym: meet, run into, come across

(1) **encounter** a crisis, (2) **encounter** a storm

I'm prepared to **encounter** challenges throughout this

adventure.

beneficial

adj. helpful, useful, or sound; promoting or enhancing well-being

synonym: useful, advantageous, fruitful

(1) a **beneficial** result, (2) **beneficial** to all countries
Laughing is **beneficial** to our health.

trillion

n. the number 1,000,000,000,000; a million million

(1) **trillion** cubic feet, (2) many **trillions** of dollars
One light year is nearly 6 **trillion** miles.

fungus

n. a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive

synonym: mold, mildew, yeast

(1) **fungus** infection, (2) symbiotic **fungus**

Certain types of **fungus** can be toxic to humans, causing severe illness if ingested.

virus

n. a tiny infectious organic material that causes disease in people, animals, and plants

synonym: bacterium, germ, ailment

(1) spread of the **virus**, (2) a strain of **virus**

An infected person in the hospital will likely pass the **virus** to others.

digest

v. to transform food into absorbable substances; break down

synonym: absorb, condense

(1) **digest** information, (2) help **digest** food

Most babies can readily **digest** a wide variety of foods.

disease

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

synonym: illness, ailment, affliction

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

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

microbiology

n. the study of microorganisms, including bacteria, viruses, fungi, and algae, and their role in various fields such as medicine, agriculture, and the environment

(1) a specialist in **microbiology**, (2) **microbiology** laboratory

The field of **microbiology** includes the study of bacteria, fungi, viruses, and other microorganisms.

assemblage

n. a collection or gathering of things or persons; a group or ensemble of items that have been brought together in a particular way

synonym: gathering, collection, meeting

(1) sculptural **assemblage**, (2) an **assemblage** of tools

The **assemblage** of artists displayed their works in the gallery for all to see.

interloper

n. a person who intrudes into a place or sphere of activity where they are not wanted or are considered not to belong

synonym: intruder, trespasser, intruder

(1) an annoying **interloper**, (2) interstellar **interloper**

The **interloper** at the party was not on the guest list and was asked to leave.

microbiome

n. the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body

synonym: flora

(1) skin **microbiome**, (2) have a diverse **microbiome**

The gut **microbiome** is a major producer of serotonin, which is necessary for human mental stability.

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**.

critic

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

synonym: pundit, analyst, attacker

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

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

cyanobacteria

n. a group of photosynthetic bacteria that possess chlorophyll and blue pigments and are characteristically found in aquatic environments; also known as blue-green algae

synonym: blue-green algae, blue-green bacteria, pond scum

(1) **cyanobacteria** blooms, (2) marine **cyanobacteria**

The toxic algae bloom in the lake was caused by an overgrowth of **cyanobacteria**.

photosynthesis

n. the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.

(1) oxygenic **photosynthesis**, (2) process of **photosynthesis**

In **photosynthesis**, plants use carbon dioxide to feed themselves.

fraction

n. a small part or item forming a piece of a whole; the quotient of two rational numbers

synonym: piece, part, fragment

(1) a **fractional** share of the vote, (2) a numerator in a **fraction**

He spent only a **fraction** of his earnings.

breath

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

synonym : air, puff, whiff

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

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

oxygen

n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

(1) the hydrogen binds the **oxygen**, (2) lack of **oxygen**

The passenger grabbed for the **oxygen** mask.

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.

nutrient

n. any substance that is essential for the maintenance and growth of living things

synonym : food, vitamin

(1) **nutrient** medicine, (2) a **nutrient** for hair

They used fast-acting **nutrients** on the flowers in the flower beds.

sustain

v. to supply enough of what somebody or something needs to survive or exist; to accept as valid

synonym : maintain, nurture, support

(1) **sustain** a good relationship with him, (2) **sustain** a wellness lifestyle

She struggled to **sustain** the children's reading habits.

crop

n. a plant that is cultivated in large amounts, particularly for food

synonym : output, produce, product

(1) **crop** field, (2) **crop** herbicide

Sow early for an early **crop**.

ecologist

n. a person who studies the relationships between living organisms and their environment; the state of being outside or directed toward or relating to the outside or exterior

synonym : conservationist, naturalist

(1) behavioral **ecologist**, (2) forestry **ecologist**

The forestry **ecologist** studied the interactions between the different species in the forest's ecosystem.

cutting-edge

adj. being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity

synonym : state-of-the-art, innovative, advanced

(1) **cutting-edge** molecular biology, (2) **cutting-edge** design

The **cutting-edge** technology was revolutionary in its field.

technique

n. a particular way or art of doing something that needs skill

synonym : approach, procedure, strategy

(1) a **technique** in martial arts, (2) the **technique** applied to construction

Jockey's superior **technique** brought him victory.

molecular

adj. of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)

synonym : microscopic, atomic

(1) **molecular** structure, (2) **molecular** biology

Molecular weight is the sum of all the atoms.

sequence

n. a series of related events, actions, numbers, etc., which have a particular order

synonym: arrangement, succession, series

(1) the **sequence** of the seasons, (2) the DNA **sequence**

We do move forward with those tasks in **sequence** next week.

diverse

adj. including numerous categories of individuals or entities; various

synonym: manifold, various, myriad

(1) **diverse** backgrounds, (2) a person of **diverse** talents

New York is a city with a **diverse** ethnic population.

gene

n. the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.

synonym: factor, cistron

(1) **gene** expression, (2) **gene** cloning

A defective **gene** is responsible for the disease.

harness

v. to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object

synonym: rein in, control, (noun) belt

(1) **harness** a horse to a carriage, (2) put a **harness** on my pet

People have been exploring ways to **harness** natural forces and resources since ancient times.

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.

insecure

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

synonym : uncertain, unsure, unconfident

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

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

agriculture

n. the practice or science of cultivating the land or raising stock

synonym : farming, husbandry, agribusiness

(1) organic **agriculture**, (2) intensive **agriculture**

Agriculture is the foundation of our economy.

frequent

adj. happening constantly

synonym : periodic, recurring, routine

(1) **frequent** absence, (2) **frequent** use

His heartaches are less **frequent** now.

drought

n. a long period of time during which there is very little or no rain, leading to a shortage of water and often causing damage to crops and other vegetation

synonym : dryness, aridity, water shortage

(1) periods of **drought**, (2) **drought** conditions

The region has been experiencing a severe **drought**, leading to water shortages and crop failures.

yield

n. the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information

synonym : proceeds, harvest, output

(1) corn **yield**, (2) the **yield** on the bond

The company's stock gives a high **yield**.

threaten

v. to utter intentions of injury or punishment against someone

synonym : endanger, terrorize, intimidate

(1) **threaten** a healthy relationship, (2) **threaten** national security

Various artificially induced causes are **threatening** our

ecosystem.

symbiotic

adj. involving two varieties of animal or plant, each of which supplies the conditions for the other to exist

(1) **symbiotic** economy, (2) **symbiotic** bacteria

We have a mutually **symbiotic** connection with them.

mycorrhiza

n. a mutually beneficial association between a fungus and the roots of a plant, in which the fungus helps the plant absorb water and nutrients, and the plant provides the fungus with sugars produced through photosynthesis

synonym: fungus, root, relationship

(1) **mycorrhiza** fungi, (2) orchid **mycorrhiza**

Some studies have shown that plants grown in soil with a high population of **mycorrhizal** fungi are more resistant to drought and disease.

inoculate

v. to introduce a vaccine into the body to produce immunity to a specific disease

synonym: vaccinate, immunize, protect

(1) **inoculate** against disease, (2) **inoculate** with a virus

The doctor **inoculated** the child with a vaccine.

native

adj. connecting with or describing someone's birth country or place of birth, or someone born in a specific country or place

synonym: endemic, domestic, aboriginal

(1) **native** to Africa, (2) **native** language

The vegetation here is almost wholly **native**.

colonize

v. to establish a colony in or on a specific place; to settle or occupy in large numbers

synonym: settle, occupy, inhabit

(1) **colonize** planets, (2) **colonize** for cultivation

European powers **colonized** much of the Americas in the 16th and 17th centuries.

degrade

v. to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others

synonym: demean, disgrace, impair

(1) **degrade** his public image, (2) **degrade** environmental quality

You should not **degrade** yourself by allowing them to use you.

nonprofit

adj. not established for commercial profit

synonym: charitable

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

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

donation

n. a voluntary gift of money, service, or ideas that are given to a person or an organization, or the act of giving them

synonym: contribution, gift, subsidy

(1) make a **donation**, (2) political **donation**

He made a generous **donation** to the charity.

volunteer

n. a person who performs or offers to perform a job or service without being paid for or forced to do

synonym: unpaid worker, draftee, enlistee

(1) seek **volunteers**, (2) my **volunteer** work

The teachers make full use of **volunteer** assistance.

conservation

n. the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity

synonym: preservation, protection, saving

(1) soil **conservation**, (2) the **conservation** law of physics

The forest was recently designated a **conservation** area.

rely

v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

synonym : depend, count, lean

(1) **rely** on convenience stores, (2) **rely** entirely on him
Babies heavily **rely** on others for food.

essential

adj. indispensable; fundamental

synonym : critical, crucial, basic

(1) **essential** amino acid, (2) **essential** commodities of life
Trial and error is an **essential** part of education.

moss

n. a small, soft plant that grows in a low, compact layer, often on the ground or on rocks

synonym : plant, foliage, greenery

(1) green **moss**, (2) **moss** garden

Moss grows in damp, shaded areas and is often found on the forest floor.

mushroom

n. a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap

synonym : fungus, toadstool

(1) **mushroom** spores, (2) **mushroom** cultivation

The **mushroom** risotto was delicious, but I couldn't identify all the mushrooms in it.

crisis

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

synonym : concern, problem, emergency

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

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

decomposition

n. the process of breaking down organic matter into simpler substances through natural processes such as decay

synonym : decay, putrefaction, corruption

(1) **decomposition** process, (2) chemical **decomposition**

The **decomposition** of organic matter releases nutrients back into the soil.

recycle

v. to sort and collect things to process them and produce valuable materials that can be used again

synonym: reclaim, reuse, reprocess

(1) **recycle** the cardboard boxes, (2) **recycle** milk packaging into new paper

We largely **recycle** the circuit board of cell phones because they contain a lot of valuable metals.

diligent

adj. showing or characterized by care and effort in your work or duties

synonym: active, engaged, assiduous

(1) a **diligent** person, (2) a **diligent** search of the files

The **diligent** detective investigated all clues.

grind

v. to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time

synonym: mill, crush, grate

(1) **grind** away at my work, (2) **grind** your teeth

She had to **grind** the coffee beans before making a fresh cup.

halt

v. to bring or come to a stop; to force to stop moving or operating

synonym: stop, cease, terminate

(1) **halt** production, (2) **halt** progress

The train came to a **halt** at the station.

pile

n. a collection of objects positioned one on top of another; a large sum of something, such as money

synonym: accumulation, heap, stack

(1) a sand **pile**, (2) the height of a **pile**

After the party, they had to clean up **piles** of dirty dishes.

deprive

v. to take away something from someone

synonym: deny, take away, divest

(1) **deprive** others of profit, (2) **deprive** him of his status

He was **deprived** of his freedom when sentenced to life in prison.

generation

n. all the people born and living at about the same time, regarded collectively; the production of heat or electricity

synonym: cohort, age group, era

(1) **generation** gap, (2) the **generation** of electricity

The younger **generation** has different values and beliefs than the older one.

co-opt

v. to elect or appoint someone as a member of a group or organization; to take over or appropriate something, often by force or without permission; to use someone or something for one's purposes or agenda

synonym: take over, appoint, appropriate

(1) **co-opt** members, (2) **co-opt** ideas

The company tried to **co-opt** competitors by offering them buyouts.

sustainable

adj. able to continue or be continued for a long time

synonym: continuable, enduring, tolerable

(1) **sustainable** alternative fuel, (2) principles of **sustainable** development

The government should do more to support environmentally **sustainable** agriculture.

biofuel

n. a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels

synonym: renewable energy, green fuel, alternative fuel

(1) **biofuel** production, (2) **biofuel** technology

The airplane was powered by a **biofuel** made from plant-based materials.

derive

v. to obtain or receive something from a source

synonym : deduce, judge, infer

(1) **derive** a conclusion, (2) **derive** knowledge from books

These English words are **derived** from Latin.

fossil

n. any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock

synonym : relic, remnant, antediluvian

(1) burning of **fossil** fuels, (2) a **fossil** leaf

It was the **fossil** of a dinosaur tooth.

carbon

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

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

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

coal

n. a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat

synonym : ember

(1) a **coal-fired** ship, (2) construction of new **coal** plants

We combust **coal** and other fossil fuels to generate electricity.

process

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

synonym : procedure, method, system

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

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

release

v. to set free or allow to escape from confinement
synonym: free, let go, discharge

(1) **release** a prisoner, (2) **release** CO2 into the air

The animal rights group worked to **release** the dolphins back into the wild.

starve

v. to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance
synonym: famish, hunger

(1) **starve** for a victory, (2) **starve** to death

If you don't eat soon, you're going to **starve**.

fortunate

adj. having good luck or lucky
synonym: fortuitous, lucky, blessed

(1) **fortunate** situation, (2) less **fortunate** person

He was pretty **fortunate** to pass the exam.

evolve

v. to develop gradually, or to cause the development of something or someone gradually
synonym: develop, mature, grow

(1) **evolve**, (2) **evolve** over the past decade

Eyeless fish **evolved** in dark caves.

staphylococcus

n. (also staph) a type of bacteria that can cause various types of infections in humans, including skin infections, pneumonia, and food poisoning
synonym: bacteria, microbe, germ

(1) **staphylococcus** aureus, (2) **staphylococcus** bacteria

The patient was diagnosed with a **staphylococcus** infection.

antibiotic

n. a substance or drug that kills or slows down the growth of bacteria
synonym: antimicrobial, chemotherapeutic, germicide

(1) **antibiotic** resistance, (2) **antibiotic** allergy

He has been prescribed an **antibiotic** to treat his infection.

resistance

n. the act of defending oneself from an aggressor or refusing to accept something

synonym: opposition, antagonism, defiance

(1) **resistance** movement, (2) **resistance** to insulin

The bill to increase the consumption tax had passed despite much **resistance** from the public.

evolutionary

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

synonym: developmental, mutative, transformative

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

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

adapt

v. to make fit for or change to suit a new purpose or environment

synonym: adjust, acclimate, accustom

(1) **adapt** fully to the environment, (2) **adapt** as needed

I advised him to **adapt** to his new surroundings.

survive

v. to live or exist despite a dangerous event or period

synonym: endure, persist, stay

(1) **survive** a blizzard, (2) **survive** a plane crash

These birds can only **survive** in temperate climates.

extreme

adj. very great in amount or degree

synonym: farthestmost, outermost, fierce

(1) **extreme** sports, (2) **extreme** weather events

Solar gravity creates **extreme** pressures and temperatures.

genome

n. the complete set or sequence of genes of a human, animal, plant, or other living things

(1) sequencing of the human **genome**, (2) **genome** analyses

The human **genome** contains approximately three billion

chemical base pairs.

instruction

n. detailed direction, order, etc., on how to do or use something

synonym: education, direction, guidance

(1) individual **instruction**, (2) follow his **instructions**

They needed further **instruction** to perform their duties efficiently.

survival

n. the state of continuing to exist or live, frequently in the face of difficulty or danger

synonym: endurance, continuity

(1) **survival** ability, (2) **survival** food

He evaluated his chances for **survival** rather pessimistically.

colleague

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

synonym: coworker, associate, fellow

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

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

identify

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

synonym: determine, specify, recognize

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

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

decompose

v. to break down or cause to break down over time into simpler substances or elements

synonym: break down, rot, spoil

(1) **decompose** matter, (2) **decompose** into simpler molecules

After the earthquake, many of the buildings in the city were left in ruins and began to **decompose**.

experiment

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

synonym: experimentation, investigation

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

His **experiments** showed highly positive results.

genetic

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

synonym: hereditary, genetical, inborn

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

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

resistant

adj. not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection

synonym: unsusceptible, immune, invulnerable

(1) penicillin- **resistant** bacteria, (2) **resistant** to persuasion

Insects in urban areas are becoming **resistant** to insecticides.

shifting

adj. constantly changing or moving

synonym: unfirm, shifty, fluctuating

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

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

dominant

adj. more important, influential, or easy to notice than anything else of the same type

synonym: chief, predominant, prevailing

(1) achieve a **dominant** share, (2) **dominant** force

Her company soon won a **dominant** market share.

cage

n. a structure made of metal bars or wire in which birds or animals can be kept

synonym: enclosure, jail, corral

(1) an insect **cage**, (2) a bird in a **cage**

The trapped bear is running amok in its **cage**.

desert

n. arid land with little or no vegetation often covered with sand or rocks

(1) **desert** basin, (2) oasis in the **desert**

This region is predominantly **desert**.

sterilize

v. to make something free of all forms of life, especially bacteria or viruses, by using heat, chemicals, or radiation

synonym: disinfect, sanitize, cleanse

(1) **sterilize** chemically, (2) **sterilize** surfaces

The nurse **sterilized** the instruments before the surgery to prevent any infections.

dramatic

adj. very sudden, very excellent, or full of action and excitement

synonym: striking, theatrical, breathtaking

(1) make **dramatic** changes, (2) a **dramatic** rescue at sea

The statement had a **dramatic** impact on house prices.

consume

v. to spend something, especially fuel, energy, or time, in a large amount

synonym: absorb, ingest, use up

(1) **consume** a large of alcohol, (2) **consume** electricity

A smaller car will **consume** less fuel.

shock

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

synonym: amazement, surprise, stunner

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

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

faze

v. to disturb or disconcert someone, often causing them to lose their confidence or composure; to unsettle, intimidate, or fluster

synonym : disturb, unsettle, bother

(1) **faze** a decision-maker, (2) unlikely to **faze** him

I won't let a little criticism **faze** me from pursuing my dreams.

massive

adj. enormous amount; very heavy and solid

synonym : enormous, giant, immense

(1) **massive** amounts, (2) **massive** stars

The recent economic downturn has resulted in **massive** layoffs.

shift

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

synonym : transition, change, modification

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

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

ooze

v. to flow or seep out slowly, often in a thick, viscous manner; to exude or emit slowly and steadily

synonym : flow, seep, drip

(1) **ooze** from the speakers, (2) **ooze** with confidence

The wound on his leg continued to **ooze** blood even after he applied pressure.

sticky

adj. made of or covered with an adhesive substance; hot or warm and humid

synonym : adhesive, gluey, clingy

(1) **sticky** weather, (2) **sticky** situation

A peculiar **sticky** material coated the foliage.

glue

n. a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials

synonym : adhesive, paste, gum

(1) **glue** stick, (2) epoxy **glue**

The carpenter applied **glue** to the cabinet joints before nailing them together.

particle

n. a small piece of something; a word or piece of a term with grammatical function but little or no significance

synonym: atom, grain, bit

(1) charged **particle**, (2) **particle** energy

We can calculate the position of the **particles** statistically.

resist

v. to refuse to accept something and attempt to prevent it from happening

synonym: fight, defy, revolt

(1) **resist** temptation, (2) **resist** being kissed

I chose to **resist** cancer by trying every possible treatment.

erosion

n. the wearing away of rock, soil, or land by natural processes such as wind or water

synonym: corrosion, weathering, decay

(1) **erosion** control, (2) wind **erosion**

The **erosion** of the coastline has accelerated due to rising sea levels.

sequester

v. to take temporary possession of someone's property until a debt is paid.

synonym: isolate, set apart, segregate

(1) **sequester** ten percent of the annual carbon emissions,

(2) **sequester** myself from the world

He approved their requests to **sequester** the jury.

complexity

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

synonym: intricacy, sophistication, elaboration

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

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

biochemical

adj. relating to the chemical processes and substances that occur within living organisms

synonym: molecular, biological

(1) **biochemical** reaction, (2) complex **biochemical**

Biochemical research is essential to understanding the complex chemical reactions in living organisms.

corps

n. a large group of people trained and organized for a particular purpose, such as the military or a performing arts troupe

synonym: body, group, organization

(1) airborne **corps**, (2) **corps** artillery

The **corps** arrived at the front lines just in time to reinforce the exhausted soldiers.

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.

vault

n. a large room or chamber used for storage, often for valuables such as money, documents, or artwork; (verb) to leap or jump over something; to move quickly or suddenly

synonym: safe, strongbox, coffer

(1) **vault** door, (2) **vault** from five to fifty percent

The government **vault** contains top-secret documents and classified information that only a few individuals can access.

buildup

n. the accumulation or increase of something over time

synonym: accumulation, increase, growth

(1) lactic acid **buildup**, (2) huge military **buildup**

The **buildup** of stress over time can lead to health problems.

federal

adj. relating to a central government or national authority; refers to government policies, laws, or programs that are implemented at a national level rather than a state or

local level

synonym : national, central, governmental

(1) **federal** regulations, (2) **federal** funding

The **federal** government announced new regulations to protect the environment.

reserve

v. to keep something for future use or contingency; to obtain or arrange something, such as a meeting, seat, etc., in advance

synonym : keep, hold, preserve

(1) **reserve** the right, (2) **reserve** a concert ticket

You can easily **reserve** seats over the telephone.

storage

n. the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

synonym : storehouse, depository, warehousing

(1) a **storage** battery, (2) **storage** at low temperature

We store customer data in cloud **storage**.

obvious

adj. easy to see, discover or understand

synonym : apparent, conspicuous, evident

(1) **obvious** reasons, (2) his conclusion was **obvious**

There are **obvious** differences between the two wine-producing regions.

scary

adj. causing fear or fright; frightening; intimidating

synonym : terrifying, frightening, alarming

(1) **scary** dream, (2) **scary** story

The horror movie was so **scary** that I couldn't watch it alone.

outcome

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

synonym : result, consequence, effect

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

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

emerging

adj. starting to exist, mature, or become well-known
synonym: arising, occurring, state-of-the-art

(1) **emerging** country, (2) **emerging** technologies
Emerging technologies have dramatically improved productivity in various industries.

definitely

adv. without any question and beyond doubt; clearly
synonym: absolutely, certainly, indeed

(1) **definitely** become a problem, (2) say **definitely**
The paper is **definitely** worth reading thoroughly.

lever

n. a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily

synonym: lifter, crowbar, bar

(1) a gear change **lever**, (2) **lever** for reform

This initiative will be a **lever** for increasing company sales.

blessing

n. a gift or favor from a higher power or force; an act or expression of approval, encouragement, or gratitude; something that brings happiness or good fortune

synonym: favor, benediction, boon

(1) count your **blessings**, (2) bestowed **blessings**

Receiving support from his friends was a great **blessing** in his time of need.

curse

n. a rude or offensive word or an expression that is not polite and shows that you are very angry

synonym: condemnation, cuss, hex

(1) under a **curse**, (2) few **curse** words

Many autocratic policies became a **curse** for that country's economy.

origin

n. the first existence or beginning of something

synonym: root, source, ancestor

(1) **origin** of information, (2) racial **origin**

There are various hypotheses concerning the **origin** of life.

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.

artwork

n. the pieces of art, such as pictures and photographs used in books, magazines, etc.

synonym: painting, picture, graphics

(1) ancient **artwork**, (2) **artwork** conservation

Videos documenting the process of creating this pencil **artwork** have been popular worldwide.

reimagine

v. to imagine or conceive of something in a new or different way

synonym: re-conceptualize, re-envision, re-create

(1) **reimagine** the future, (2) **reimagine** the possibilities

The company is trying to **reimagine** its business model to stay competitive.

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.

mystery

n. something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

synonym: enigma, puzzle, secret

(1) **mystery** novel, (2) unsolved **mystery**

The **mystery** surrounding the disappearance of the traveler

has yet to be solved by authorities.

spew

v. to eject forcefully and abundantly; to flow out rapidly and in large amounts

synonym: vomit, spout, discharge

(1) **spew** carbon dioxide, (2) **spew** insults

The volcano started to **spew** lava and ash, causing panic among residents.

comfort

n. a state of physical ease and freedom from pain or constraint

synonym: ease, solace, coziness

(1) words of **comfort**, (2) **comfort** level

He found **comfort** in the warm embrace of his loved ones.

threat

n. a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation

synonym: menace, danger, hazard

(1) economic **threat**, (2) environmental **threat**

The **threat** of severe weather prompted the city to issue an evacuation warning.

well-being

n. the state of being happy and healthy and prosperous

synonym: health, welfare, happiness

(1) the **well-being** of a nation, (2) a sense of **well-being**

We are responsible for the care and **well-being** of all our employees.

inevitable

adj. certain to happen and unavoidable

synonym: inescapable, unavoidable, sure

(1) **inevitable** changes of the seasons, (2) **inevitable** result

In times of recession, an increase in unemployment is **inevitable**.

Session 2: Spelling

1. political do_____on *n.* a voluntary gift of money, service, or ideas that are given to a person or an organization, or the act of giving them
2. tr_____on cubic feet *n.* the number 1,000,000,000,000; a million million
3. ad__t fully to the environment *v.* to make fit for or change to suit a new purpose or environment
4. ca_____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
5. th_____en national security *v.* to utter intentions of injury or punishment against someone
6. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
7. an ass_____ge of tools *n.* a collection or gathering of things or persons; a group or ensemble of items that have been brought together in a particular way
8. the hydrogen binds the ox____n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

ANSWERS: 1. donation, 2. trillion, 3. adapt, 4. capture, 5. threaten, 6. process, 7. assemblage, 8. oxygen

9. death from sh__k *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
10. inh_____nt tax *n.* a person or an animal that lives in a particular place
11. burning of fo___l fuels *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
12. in_____le stars *adj.* impossible or nearly impossible to see
13. a dr_____ic rescue at sea *adj.* very sudden, very excellent, or full of action and excitement
14. id_____fy handwriting *v.* to recognize someone or something and say or prove who or what they are
15. the gen_____on of electricity *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity
16. a gear change le__r *n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
17. co_____t level *n.* a state of physical ease and freedom from pain or constraint
18. sa_____ze surfaces *v.* to clean or disinfect something to make it safe or hygienic; to remove potentially harmful or sensitive information from a document or communication
19. the cy__e of the seasons *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

ANSWERS: 9. shock, 10. inhabitant, 11. fossil, 12. invisible, 13. dramatic, 14. identify, 15. generation, 16. lever, 17. comfort, 18. sanitize, 19. cycle

20. the yi__d on the bond *n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
21. de____e him of his status *v.* to take away something from someone
22. bio______al reaction *adj.* relating to the chemical processes and substances that occur within living organisms
23. sequencing of the human ge___e *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
24. improved student ou____es *n.* the result or effect of an action, event, etc.
25. mu____om spores *n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap
26. unlikely to f__e him *v.* to disturb or disconcert someone, often causing them to lose their confidence or composure; to unsettle, intimidate, or fluster
27. r__y entirely on him *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
28. ca____e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
29. s__w carbon dioxide *v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts

ANSWERS: 20. yield, 21. deprive, 22. biochemical, 23. genome, 24. outcome, 25. mushroom, 26. faze, 27. rely, 28. capture, 29. spew

30. in_____re attachment *adj.* not firm or firmly fixed; likely to fail or give way, or not assured of safety
31. corn yi__d *n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
32. ev___e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
33. the te_____ue applied to construction *n.* a particular way or art of doing something that needs skill
34. do_____nt force *adj.* more important, influential, or easy to notice than anything else of the same type
35. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
36. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
37. or___n of information *n.* the first existence or beginning of something
38. ine_____le changes of the seasons *adj.* certain to happen and unavoidable
39. ev___e *v.* to develop gradually, or to cause the development of something or someone gradually
40. su_____e a plane crash *v.* to live or exist despite a dangerous event or period
41. th_____en a healthy relationship *v.* to utter intentions of injury or punishment against someone

ANSWERS: 30. insecure, 31. yield, 32. evolve, 33. technique, 34. dominant, 35. experiment, 36. temperature, 37. origin, 38. inevitable, 39. evolve, 40. survive, 41. threaten

42. orchid myc_____za *n.* a mutually beneficial association between a fungus and the roots of a plant, in which the fungus helps the plant absorb water and nutrients, and the plant provides the fungus with sugars produced through photosynthesis
43. ge___e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
44. g__e cloning *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
45. racial or___n *n.* the first existence or beginning of something
46. a sand p__e *n.* a collection of objects positioned one on top of another; a large sum of something, such as money
47. su_____al food *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
48. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 42. mycorrhiza, 43. genome, 44. gene, 45. origin, 46. pile, 47. survival, 48. process

49. the most am____g feeling *adj.* extremely surprising, especially in a way that you like or admire
50. re_____ne the possibilities *v.* to imagine or conceive of something in a new or different way
51. construction of new c__l plants *n.* a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat
52. st_____e at low temperature *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
53. res_____ce movement *n.* the act of defending oneself from an aggressor or refusing to accept something
54. es_____al amino acid *adj.* indispensable; fundamental
55. carbon dioxide in the atm_____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
56. huge military bu_____p *n.* the accumulation or increase of something over time
57. put a ha_____s on my pet *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object
58. o__e with confidence *v.* to flow or seep out slowly, often in a thick, viscous manner; to exude or emit slowly and steadily

ANSWERS: 49. amazing, 50. reimagine, 51. coal, 52. storage, 53. resistance, 54. essential, 55. atmosphere, 56. buildup, 57. harness, 58. ooze

59. global pa____ic *n.* an outbreak of a disease that affects many people over a very wide area
60. the wel_____ng of a nation *n.* the state of being happy and healthy and prosperous
61. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
62. a bird in a c__e *n.* a structure made of metal bars or wire in which birds or animals can be kept
63. mo_____ar biology *adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)
64. 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
65. penicillin-re_____nt bacteria *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
66. ad_____le enough for the environment *adj.* able or willing to modify or be modified to deal with new situations
67. st___e to death *v.* to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance
68. fe_____l regulations *adj.* relating to a central government or national authority; refers to government policies, laws, or programs that are implemented at a national level rather than a state or local level

ANSWERS: 59. pandemic, 60. well-being, 61. biology, 62. cage, 63. molecular, 64. stick, 65. resistant, 66. adaptable, 67. starve, 68. federal

69. def_____ly become a problem *adv.* without any question and beyond doubt; clearly
70. fight vi___l infections *adj.* relating to or caused by a virus
71. dr_____t conditions *n.* a long period of time during which there is very little or no rain, leading to a shortage of water and often causing damage to crops and other vegetation
72. cya_____ria blooms *n.* a group of photosynthetic bacteria that possess chlorophyll and blue pigments and are characteristically found in aquatic environments; also known as blue-green algae
73. oasis in the de____t *n.* arid land with little or no vegetation often covered with sand or rocks
74. sy_____ic bacteria *adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist
75. sh_____ng balance *adj.* constantly changing or moving
76. ar_____k conservation *n.* the pieces of art, such as pictures and photographs used in books, magazines, etc.
77. major paradigm sh__t *n.* a slight transition in position, direction, or trend
78. fu___s infection *n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive

ANSWERS: 69. definitely, 70. viral, 71. drought, 72. cyanobacteria, 73. desert, 74. symbiotic, 75. shifting, 76. artwork, 77. shift, 78. fungus

79. effects of cl_____e change *n.* the weather in a particular location averaged over some long period
80. ancient ar_____k *n.* the pieces of art, such as pictures and photographs used in books, magazines, etc.
81. my vo_____er work *n.* a person who performs or offers to perform a job or service without being paid for or forced to do
82. ha_____s a horse to a carriage *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object
83. su_____n a wellness lifestyle *v.* to supply enough of what somebody or something needs to survive or exist; to accept as valid
84. many tr_____ons of dollars *n.* the number 1,000,000,000,000; a million million
85. make dr_____ic changes *adj.* very sudden, very excellent, or full of action and excitement
86. help di_____t food *v.* to transform food into absorbable substances; break down
87. ant_____ic allergy *n.* a substance or drug that kills or slows down the growth of bacteria
88. forestry ec_____st *n.* a person who studies the relationships between living organisms and their environment; the state of being outside or directed toward or relating to the outside or exterior

ANSWERS: 79. climate, 80. artwork, 81. volunteer, 82. harness, 83. sustain, 84. trillion, 85. dramatic, 86. digest, 87. antibiotic, 88. ecologist

89. de_____se matter *v.* to break down or cause to break down over time into simpler substances or elements
90. 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
91. f__e a decision-maker *v.* to disturb or disconcert someone, often causing them to lose their confidence or composure; to unsettle, intimidate, or fluster
92. st____y weather *adj.* made of or covered with an adhesive substance; hot or warm and humid
93. cr____s management *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
94. myc_____za fungi *n.* a mutually beneficial association between a fungus and the roots of a plant, in which the fungus helps the plant absorb water and nutrients, and the plant provides the fungus with sugars produced through photosynthesis
95. the ba_____e of power *n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
96. parched s__l *n.* the top layer of Earth in which plants grow
97. ex_____e sports *adj.* very great in amount or degree

ANSWERS: 89. decompose, 90. planet, 91. faze, 92. sticky, 93. crisis, 94. mycorrhiza, 95. balance, 96. soil, 97. extreme

98. principles of sus_____le
development
99. ex_____e weather events
100. re_____nt to persuasion
101. e__t air pollution
102. a c__l-fired ship
103. complex bio_____al
104. in_____te against disease
105. re_____e CO2 into the air
106. charged pa_____le
107. a nu_____nt for hair
108. a ben_____al result
109. re_____ne the future
110. re_____e the cardboard boxes
- adj.* able to continue or be continued for a long time
- adj.* very great in amount or degree
- adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
- v.* to give off or send out something such as light, heat, sound, gas, etc.
- n.* a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat
- adj.* relating to the chemical processes and substances that occur within living organisms
- v.* to introduce a vaccine into the body to produce immunity to a specific disease
- v.* to set free or allow to escape from confinement
- n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
- n.* any substance that is essential for the maintenance and growth of living things
- adj.* helpful, useful, or sound; promoting or enhancing well-being
- v.* to imagine or conceive of something in a new or different way
- v.* to sort and collect things to process them and produce valuable materials that can be used again

ANSWERS: 98. sustainable, 99. extreme, 100. resistant, 101. emit, 102. coal, 103. biochemical, 104. inoculate, 105. release, 106. particle, 107. nutrient, 108. beneficial, 109. reimagine, 110. recycle

111. h__t progress *v.* to bring or come to a stop; to force to stop moving or operating
112. di____e backgrounds *adj.* including numerous categories of individuals or entities; various
113. words of co____t *n.* a state of physical ease and freedom from pain or constraint
114. em____ng country *adj.* starting to exist, mature, or become well-known
115. bestowed bl____ngs *n.* a gift or favor from a higher power or force; an act or expression of approval, encouragement, or gratitude; something that brings happiness or good fortune
116. co__s artillery *n.* a large group of people trained and organized for a particular purpose, such as the military or a performing arts troupe
117. su____n a good relationship with him *v.* to supply enough of what somebody or something needs to survive or exist; to accept as valid
118. the height of a p__e *n.* a collection of objects positioned one on top of another; a large sum of something, such as money
119. a fr____onal share of the vote *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
120. s__ls retentive of moisture *n.* the top layer of Earth in which plants grow
121. em____ng technologies *adj.* starting to exist, mature, or become well-known

ANSWERS: 111. halt, 112. diverse, 113. comfort, 114. emerging, 115. blessing, 116. corps, 117. sustain, 118. pile, 119. fraction, 120. soil, 121. emerging

122. detect a vi__l code *adj.* relating to or caused by a virus
123. ob____s reasons *adj.* easy to see, discover or understand
124. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
125. a specialist in mic_____ogy *n.* the study of microorganisms, including bacteria, viruses, fungi, and algae, and their role in various fields such as medicine, agriculture, and the environment
126. bi_____l technology *n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
127. bi_____l production *n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
128. ma_____e amounts *adj.* enormous amount; very heavy and solid
129. pathogenic ba_____ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
130. chemical dec_____ion *n.* the process of breaking down organic matter into simpler substances through natural processes such as decay
131. re___t temptation *v.* to refuse to accept something and attempt to prevent it from happening

ANSWERS: 122. viral, 123. obvious, 124. experiment, 125. microbiology, 126. biofuel, 127. biofuel, 128. massive, 129. bacteria, 130. decomposition, 131. resist

132. epoxy g__e *n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials
133. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
134. ma_____e stars *adj.* enormous amount; very heavy and solid
135. co_____e electricity *v.* to spend something, especially fuel, energy, or time, in a large amount
136. a di_____nt person *adj.* showing or characterized by care and effort in your work or duties
137. 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.
138. cut_____dge design *adj.* being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity
139. a st_____e battery *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
140. mu_____om cultivation *n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap

ANSWERS: 132. glue, 133. environment, 134. massive, 135. consume, 136. diligent, 137. satellite, 138. cutting-edge, 139. storage, 140. mushroom

141. a desirable ou____e *n.* the result or effect of an action, event, etc.
142. st____y situation *adj.* made of or covered with an adhesive substance; hot or warm and humid
143. va__t from five to fifty percent *n.* a large room or chamber used for storage, often for valuables such as money, documents, or artwork; (verb) to leap or jump over something; to move quickly or suddenly
144. continuously sh____ng landscape *adj.* constantly changing or moving
145. de____t basin *n.* arid land with little or no vegetation often covered with sand or rocks
146. sculptural ass____ge *n.* a collection or gathering of things or persons; a group or ensemble of items that have been brought together in a particular way
147. symbiotic fu____s *n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
148. toxic ch____als *adj.* relating to or connected with chemistry;
149. sta____cus aureus *n.* (also staph) a type of bacteria that can cause various types of infections in humans, including skin infections, pneumonia, and food poisoning
150. ine____le result *adj.* certain to happen and unavoidable
151. hold your br____h *n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs

ANSWERS: 141. outcome, 142. sticky, 143. vault, 144. shifting, 145. desert, 146. assemblage, 147. fungus, 148. chemical, 149. staphylococcus, 150. inevitable, 151. breath

152. individual ins_____on *n.* detailed direction, order, etc., on how to do or use something
153. su_____al ability *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
154. st___e for a victory *v.* to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance
155. the early inh_____nts of Europe *n.* a person or an animal that lives in a particular place
156. r___y on convenience stores *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
157. sa_____ze the kitchen *v.* to clean or disinfect something to make it safe or hygienic; to remove potentially harmful or sensitive information from a document or communication
158. spread of the vi___s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
159. co___t ideas *v.* to elect or appoint someone as a member of a group or organization; to take over or appropriate something, often by force or without permission; to use someone or something for one's purposes or agenda
160. the evo_____ary process *adj.* relating to or denoting how living things develop or change from earlier forms

ANSWERS: 152. instruction, 153. survival, 154. starve, 155. inhabitant, 156. rely, 157. sanitize, 158. virus, 159. co-opt, 160. evolutionary

161. de_____se into simpler molecules *v.* to break down or cause to break down over time into simpler substances or elements
162. in_____te with a virus *v.* to introduce a vaccine into the body to produce immunity to a specific disease
163. the DNA se_____ce *n.* a series of related events, actions, numbers, etc., which have a particular order
164. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
165. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
166. co___t members *v.* to elect or appoint someone as a member of a group or organization; to take over or appropriate something, often by force or without permission; to use someone or something for one's purposes or agenda
167. plant pa_____en *n.* a bacterium, virus, or other microorganism that causes disease
168. er_____n control *n.* the wearing away of rock, soil, or land by natural processes such as wind or water
169. ca___n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
170. g__e stick *n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials

ANSWERS: 161. decompose, 162. inoculate, 163. sequence, 164. temperature, 165. complexity, 166. co-opt, 167. pathogen, 168. erosion, 169. carbon, 170. glue

171. id____fy gene sequences *v.* to recognize someone or something and say or prove who or what they are
172. the con_____ion law of physics *n.* the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity
173. 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
174. cut_____dge molecular biology *adj.* being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity
175. his conclusion was ob____s *adj.* easy to see, discover or understand
176. e__t a gamma ray *v.* to give off or send out something such as light, heat, sound, gas, etc.
177. environmental th____t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
178. di_____e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
179. count your bl____ngs *n.* a gift or favor from a higher power or force; an act or expression of approval, encouragement, or gratitude; something that brings happiness or good fortune

ANSWERS: 171. identify, 172. conservation, 173. planet, 174. cutting-edge, 175. obvious, 176. emit, 177. threat, 178. disease, 179. blessing

180. re_____e milk packaging into new paper
v. to sort and collect things to process them and produce valuable materials that can be used again
181. sy_____ic economy
adj. involving two varieties of animal or plant, each of which supplies the conditions for the other to exist
182. en_____er a crisis
v. to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
183. a te_____ue in martial arts
n. a particular way or art of doing something that needs skill
184. va__t door
n. a large room or chamber used for storage, often for valuables such as money, documents, or artwork; (verb) to leap or jump over something; to move quickly or suddenly
185. have ge_____c testing
adj. of or relating to genes (= parts of the DNA in cells) or the science of genes
186. re_____e the right
v. to keep something for future use or contingency; to obtain or arrange something, such as a meeting, seat, etc., in advance
187. a no_____it organization
adj. not established for commercial profit
188. c__p herbicide
n. a plant that is cultivated in large amounts, particularly for food
189. a ge_____c disorder
adj. of or relating to genes (= parts of the DNA in cells) or the science of genes
190. m__s garden
n. a small, soft plant that grows in a low, compact layer, often on the ground or on rocks

ANSWERS: 180. recycle, 181. symbiotic, 182. encounter, 183. technique, 184. vault, 185. genetic, 186. reserve, 187. nonprofit, 188. crop, 189. genetic, 190. moss

191. few cu__e words *n.* a rude or offensive word or an expression that is not polite and shows that you are very angry
192. skin mic_____me *n.* the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body
193. financial cr___s *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
194. a strain of vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
195. re_____e a prisoner *v.* to set free or allow to escape from confinement
196. say def_____ly *adv.* without any question and beyond doubt; clearly
197. marine cya_____ria *n.* a group of photosynthetic bacteria that possess chlorophyll and blue pigments and are characteristically found in aquatic environments; also known as blue-green algae
198. collaborate with co_____ues *n.* one of a group of a coworker, especially in a profession or a business
199. ca___n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

ANSWERS: 191. curse, 192. microbiome, 193. crisis, 194. virus, 195. release, 196. definitely, 197. cyanobacteria, 198. colleague, 199. carbon

200. wind er____n	<i>n.</i> the wearing away of rock, soil, or land by natural processes such as wind or water
201. a gr__d meal	<i>adj.</i> important and large in size, scope, or extent
202. unsolved my____y	<i>n.</i> something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
203. de___e knowledge from books	<i>v.</i> to obtain or receive something from a source
204. the pa_____en in the air	<i>n.</i> a bacterium, virus, or other microorganism that causes disease
205. sh__k-resistant	<i>n.</i> a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
206. organic agr_____re	<i>n.</i> the practice or science of cultivating the land or raising stock
207. com_____ty theory	<i>n.</i> the state or quality of being complicated or intricate and difficult to understand
208. de___e a conclusion	<i>v.</i> to obtain or receive something from a source
209. flu pa_____ic	<i>n.</i> an outbreak of a disease that affects many people over a very wide area
210. re___t being kissed	<i>v.</i> to refuse to accept something and attempt to prevent it from happening

ANSWERS: 200. erosion, 201. grand, 202. mystery, 203. derive, 204. pathogen, 205. shock, 206. agriculture, 207. complexity, 208. derive, 209. pandemic, 210. resist

211. gr__d away at my work *v.* to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time
212. interstellar int_____er *n.* a person who intrudes into a place or sphere of activity where they are not wanted or are considered not to belong
213. mo_____ar structure *adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)
214. sc__y dream *adj.* causing fear or fright; frightening; intimidating
215. g__e expression *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
216. achieve a do_____nt share *adj.* more important, influential, or easy to notice than anything else of the same type
217. fe_____l funding *adj.* relating to a central government or national authority; refers to government policies, laws, or programs that are implemented at a national level rather than a state or local level
218. ad__t as needed *v.* to make fit for or change to suit a new purpose or environment
219. 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

ANSWERS: 211. grind, 212. interloper, 213. molecular, 214. scary, 215. gene, 216. dominant, 217. federal, 218. adapt, 219. digital

220. a sense of wel_____ng
n. the state of being happy and healthy and prosperous
221. an in_____re future
adj. not firm or firmly fixed; likely to fail or give way, or not assured of safety
222. a ch_____al compound
adj. relating to or connected with chemistry;
223. lack of ox_____n
n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
224. periods of dr_____t
n. a long period of time during which there is very little or no rain, leading to a shortage of water and often causing damage to crops and other vegetation
225. di_____t information
v. to transform food into absorbable substances; break down
226. a convivial atm_____re
n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
227. sta_____cus bacteria
n. (also staph) a type of bacteria that can cause various types of infections in humans, including skin infections, pneumonia, and food poisoning
228. en_____ed of the idea
adj. deeply in love; having a strong affection or admiration for
229. intensive agr_____re
n. the practice or science of cultivating the land or raising stock
230. co_____e a large of alcohol
v. to spend something, especially fuel, energy, or time, in a large amount

ANSWERS: 220. well-being, 221. insecure, 222. chemical, 223. oxygen, 224. drought, 225. digest, 226. atmosphere, 227. staphylococcus, 228. enamored, 229. agriculture, 230. consume

231. an annoying int_____er *n.* a person who intrudes into a place or sphere of activity where they are not wanted or are considered not to belong
232. process of pho_____sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
233. former co_____ue *n.* one of a group of a coworker, especially in a profession or a business
234. di_____e prevention *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
235. lactic acid bu_____p *n.* the accumulation or increase of something over time
236. under a cu___e *n.* a rude or offensive word or an expression that is not polite and shows that you are very angry
237. 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
238. economic th___t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation

ANSWERS: 231. interloper, 232. photosynthesis, 233. colleague, 234. disease, 235. buildup, 236. curse, 237. digital, 238. threat

239. ben_____al to all countries	<i>adj.</i> helpful, useful, or sound; promoting or enhancing well-being
240. st_____ze surfaces	<i>v.</i> to make something free of all forms of life, especially bacteria or viruses, by using heat, chemicals, or radiation
241. a cold cl_____e	<i>n.</i> the weather in a particular location averaged over some long period
242. se_____er ten percent of the annual carbon emissions	<i>v.</i> to take temporary possession of someone's property until a debt is paid.
243. sus_____le alternative fuel	<i>adj.</i> able to continue or be continued for a long time
244. severe cr____c	<i>n.</i> someone who expresses opinions about the quality of books, music, etc.
245. de_____e environmental quality	<i>v.</i> to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
246. de_____e others of profit	<i>v.</i> to take away something from someone
247. abs_____ly against	<i>adv.</i> without restriction or limitation; completely or utterly
248. h__t production	<i>v.</i> to bring or come to a stop; to force to stop moving or operating
249. en_____ed of bygone days	<i>adj.</i> deeply in love; having a strong affection or admiration for
250. have a diverse mic_____me	<i>n.</i> the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body

ANSWERS: 239. beneficial, 240. sterilize, 241. climate, 242. sequester, 243. sustainable, 244. critic, 245. degrade, 246. deprive, 247. absolutely, 248. halt, 249. enamored, 250. microbiome

251. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
252. co_____ze planets *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
253. make a do_____on *n.* a voluntary gift of money, service, or ideas that are given to a person or an organization, or the act of giving them
254. the se_____ce of the seasons *n.* a series of related events, actions, numbers, etc., which have a particular order
255. Doppler sh____t *n.* a slight transition in position, direction, or trend
256. de_____e his public image *v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
257. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
258. sc____y story *adj.* causing fear or fright; frightening; intimidating
259. nu_____nt medicine *n.* any substance that is essential for the maintenance and growth of living things
260. green m____s *n.* a small, soft plant that grows in a low, compact layer, often on the ground or on rocks
261. harmless ba_____ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

ANSWERS: 251. absolutely, 252. colonize, 253. donation, 254. sequence, 255. shift, 256. degrade, 257. biology, 258. scary, 259. nutrient, 260. moss, 261. bacteria

262. mi_____es sterilizer *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
263. my_____y novel *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
264. no_____it agency *adj.* not established for commercial profit
265. a di_____nt search of the files *adj.* showing or characterized by care and effort in your work or duties
266. the di_____ty policy of the university *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
267. lingual di_____ty *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
268. st_____ze chemically *v.* to make something free of all forms of life, especially bacteria or viruses, by using heat, chemicals, or radiation
269. dec_____ion process *n.* the process of breaking down organic matter into simpler substances through natural processes such as decay
270. seek vo_____ers *n.* a person who performs or offers to perform a job or service without being paid for or forced to do

ANSWERS: 262. microbe, 263. mystery, 264. nonprofit, 265. diligent, 266. diversity, 267. diversity, 268. sterilize, 269. decomposition, 270. volunteer

271. na___e language *adj.* connecting with or describing someone's birth country or place of birth, or someone born in a specific country or place
272. es_____al commodities of life *adj.* indispensable; fundamental
273. an in_____le asset *adj.* impossible or nearly impossible to see
274. gen_____on gap *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity
275. 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.
276. br___h of wind *n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
277. follow his ins_____ons *n.* detailed direction, order, etc., on how to do or use something
278. su_____e a blizzard *v.* to live or exist despite a dangerous event or period
279. le__r for reform *n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
280. fr_____nt absence *adj.* happening constantly
281. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 271. native, 272. essential, 273. invisible, 274. generation, 275. satellite, 276. breath, 277. instruction, 278. survive, 279. lever, 280. frequent, 281. environment

282. soil con_____ion *n.* the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity
283. fo_____te situation *adj.* having good luck or lucky
284. emissions of gre_____se gases *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
285. asset on the company's ba_____e sheet *n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
286. a fo____l leaf *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
287. oxygenic pho_____sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
288. res_____ce to insulin *n.* the act of defending oneself from an aggressor or refusing to accept something
289. gr__d your teeth *v.* to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time
290. s__w insults *v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts
291. less fo_____te person *adj.* having good luck or lucky

ANSWERS: 282. conservation, 283. fortunate, 284. greenhouse, 285. balance, 286. fossil, 287. photosynthesis, 288. resistance, 289. grind, 290. spew, 291. fortunate

292. ecology and evo_____ary biology *adj.* relating to or denoting how living things develop or change from earlier forms
293. ant_____ic resistance *n.* a substance or drug that kills or slows down the growth of bacteria
294. exotic plants in a gre_____se *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
295. gr__d bargain *adj.* important and large in size, scope, or extent
296. a numerator in a fr_____on *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
297. behavioral ec_____st *n.* a person who studies the relationships between living organisms and their environment; the state of being outside or directed toward or relating to the outside or exterior
298. mic_____ogy laboratory *n.* the study of microorganisms, including bacteria, viruses, fungi, and algae, and their role in various fields such as medicine, agriculture, and the environment
299. a person of di_____e talents *adj.* including numerous categories of individuals or entities; various
300. c__p field *n.* a plant that is cultivated in large amounts, particularly for food
301. pa_____le energy *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance

ANSWERS: 292. evolutionary, 293. antibiotic, 294. greenhouse, 295. grand, 296. fraction, 297. ecologist, 298. microbiology, 299. diverse, 300. crop, 301. particle

302. art cr___c *n.* someone who expresses opinions about the quality of books, music, etc.
303. co_____ze for cultivation *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
304. na___e to Africa *adj.* connecting with or describing someone's birth country or place of birth, or someone born in a specific country or place
305. airborne co__s *n.* a large group of people trained and organized for a particular purpose, such as the military or a performing arts troupe
306. an insect c__e *n.* a structure made of metal bars or wire in which birds or animals can be kept
307. fire st__k *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
308. re_____e a concert ticket *v.* to keep something for future use or contingency; to obtain or arrange something, such as a meeting, seat, etc., in advance
309. an ad_____le person *adj.* able or willing to modify or be modified to deal with new situations
310. en_____er a storm *v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly

ANSWERS: 302. critic, 303. colonize, 304. native, 305. corps, 306. cage, 307. stick, 308. reserve, 309. adaptable, 310. encounter

311. fr____nt use *adj.* happening constantly
312. pathogenic mi____e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
313. se_____er myself from the world *v.* to take temporary possession of someone's property until a debt is paid.
314. o__e from the speakers *v.* to flow or seep out slowly, often in a thick, viscous manner; to exude or emit slowly and steadily
315. go to the workplace by cy__e *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
316. am____g advances *adj.* extremely surprising, especially in a way that you like or admire

ANSWERS: 311. frequent, 312. microbe, 313. sequester, 314. ooze, 315. cycle, 316. amazing

Session 3: Fill in the Blanks

1. We do move forward with those tasks in _____ next week.
n. a series of related events, actions, numbers, etc., which have a particular order
2. The _____ surrounding the disappearance of the traveler has yet to be solved by authorities.
n. something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
3. He got an electric _____ at work.
n. a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
4. The firm has grown into a large _____ manufacturing.
adj. relating to or connected with chemistry;
5. Children in an unstructured environment often feel _____.
adj. not firm or firmly fixed; likely to fail or give way, or not assured of safety
6. These birds can only _____ in temperate climates.
v. to live or exist despite a dangerous event or period
7. This region is predominantly _____.
n. arid land with little or no vegetation often covered with sand or rocks
8. The _____ of artists displayed their works in the gallery for all to see.
n. a collection or gathering of things or persons; a group or ensemble of items that have been brought together in a particular way

ANSWERS: 1. sequence, 2. mystery, 3. shock, 4. chemical, 5. insecure, 6. survive, 7. desert, 8. assemblage

9. Sow early for an early _____.

n. a plant that is cultivated in large amounts, particularly for food

10. Some studies have shown that plants grown in soil with a high population of _____ fungi are more resistant to drought and disease.

n. a mutually beneficial association between a fungus and the roots of a plant, in which the fungus helps the plant absorb water and nutrients, and the plant provides the fungus with sugars produced through photosynthesis

11. We are responsible for the care and _____ of all our employees.

n. the state of being happy and healthy and prosperous

12. _____ thrive on the surface of the human skin.

n. a tiny living thing that can only be seen with a microscope and that may cause disease

13. Cities around the world set records for highest _____ this summer.

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

14. The _____ of stress over time can lead to health problems.

n. the accumulation or increase of something over time

15. Most babies can readily _____ a wide variety of foods.

v. to transform food into absorbable substances; break down

16. mRNA vaccines are approved faster because they do not contain inactivated _____.

n. a bacterium, virus, or other microorganism that causes disease

ANSWERS: 9. crop, 10. mycorrhizal, 11. well-being, 12. Microbes, 13. temperatures, 14. buildup, 15. digest, 16. pathogens

17. I always _____ my hands before eating to prevent germs from spreading.
- v.* to clean or disinfect something to make it safe or hygienic; to remove potentially harmful or sensitive information from a document or communication
18. Receiving support from his friends was a great _____ in his time of need.
- n.* a gift or favor from a higher power or force; an act or expression of approval, encouragement, or gratitude; something that brings happiness or good fortune
19. Certain types of _____ can be toxic to humans, causing severe illness if ingested.
- n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
20. The company's stock gives a high _____.
- n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
21. The company is trying to _____ its business model to stay competitive.
- v.* to imagine or conceive of something in a new or different way
22. The Chinese word for _____ comprises two characters, one for danger and the other for opportunity.
- n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
23. They used fast-acting _____ on the flowers in the flower beds.
- n.* any substance that is essential for the maintenance and growth of living things
24. These English words are _____ from Latin.
- v.* to obtain or receive something from a source

ANSWERS: 17. sanitize, 18. blessing, 19. fungus, 20. yield, 21. reimagine, 22. crisis, 23. nutrients, 24. derived

25. The _____ detective investigated all clues.

adj. showing or characterized by care and effort in your work or duties

26. They fear a _____ of a new type of virus.

n. an outbreak of a disease that affects many people over a very wide area

27. You can easily _____ seats over the telephone.

v. to keep something for future use or contingency; to obtain or arrange something, such as a meeting, seat, etc., in advance

28. Trees absorb _____ dioxide and give off oxygen.

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

29. If you don't eat soon, you're going to _____.

v. to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance

30. Jockey's superior _____ brought him victory.

n. a particular way or art of doing something that needs skill

31. 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.

32. People have been exploring ways to _____ natural forces and resources since ancient times.

v. to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object

ANSWERS: 25. diligent, 26. pandemic, 27. reserve, 28. carbon, 29. starve, 30. technique, 31. satellite, 32. harness

33. The bill to increase the consumption tax had passed despite much _____ from the public.
n. the act of defending oneself from an aggressor or refusing to accept something
34. He was pretty _____ to pass the exam.
adj. having good luck or lucky
35. In _____ plants use carbon dioxide to feed themselves.
n. the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
36. _____ technologies have dramatically improved productivity in various industries.
adj. starting to exist, mature, or become well-known
37. She had to _____ the coffee beans before making a fresh cup.
v. to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time
38. The trapped bear is running amok in its _____.
n. a structure made of metal bars or wire in which birds or animals can be kept
39. _____ grows in damp, shaded areas and is often found on the forest floor.
n. a small, soft plant that grows in a low, compact layer, often on the ground or on rocks
40. The doctor diagnosed him with a rare _____ that had no known cure.
n. a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

ANSWERS: 33. resistance, 34. fortunate, 35. photosynthesis, 36. Emerging, 37. grind, 38. cage, 39. Moss, 40. disease

41. We seek a candidate who possesses _____ fighting potential.
adj. able or willing to modify or be modified to deal with new situations
42. The airplane was powered by a _____ made from plant-based materials.
n. a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
43. The company tried to _____ competitors by offering them buyouts.
v. to elect or appoint someone as a member of a group or organization; to take over or appropriate something, often by force or without permission; to use someone or something for one's purposes or agenda
44. _____ is the foundation of our economy.
n. the practice or science of cultivating the land or raising stock
45. Trial and error is an _____ part of education.
adj. indispensable; fundamental
46. She struggled to _____ the children's reading habits.
v. to supply enough of what somebody or something needs to survive or exist; to accept as valid
47. This initiative will be a _____ for increasing company sales.
n. a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
48. The forestry _____ studied the interactions between the different species in the forest's ecosystem.
n. a person who studies the relationships between living organisms and their environment; the state of being outside or directed toward or relating to the outside or exterior

ANSWERS: 41. adaptable, 42. biofuel, 43. co-opt, 44. Agriculture, 45. essential, 46. sustain, 47. lever, 48. ecologist

49. The region has been experiencing a severe _____ leading to water shortages and crop failures.

n. a long period of time during which there is very little or no rain, leading to a shortage of water and often causing damage to crops and other vegetation

50. Insects in urban areas are becoming _____ to insecticides.

adj. not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection

51. Various artificially induced causes are _____ our ecosystem.

v. to utter intentions of injury or punishment against someone

52. He spent only a _____ of his earnings.

n. a small part or item forming a piece of a whole; the quotient of two rational numbers

53. New York is a city with a _____ ethnic population.

adj. including numerous categories of individuals or entities; various

54. The _____ technology was revolutionary in its field.

adj. being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity

55. The _____ effect is a phenomenon that happens naturally.

n. a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in

56. They needed further _____ to perform their duties efficiently.

n. detailed direction, order, etc., on how to do or use something

ANSWERS: 49. drought, 50. resistant, 51. threatening, 52. fraction, 53. diverse, 54. cutting-edge, 55. greenhouse, 56. instruction

57. A peculiar _____ material coated the foliage.

adj. made of or covered with an adhesive substance; hot or warm and humid

58. Babies heavily _____ on others for food.

v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

59. He was impressed by the range and _____ of the collection.

n. the quality or fact of many different types of things or people being included in something; a range of different things or people

60. The _____ arrived at the front lines just in time to reinforce the exhausted soldiers.

n. a large group of people trained and organized for a particular purpose, such as the military or a performing arts troupe

61. The phenomenon is _____ at optical wavelengths.

adj. impossible or nearly impossible to see

62. We largely _____ the circuit board of cell phones because they contain a lot of valuable metals.

v. to sort and collect things to process them and produce valuable materials that can be used again

63. His _____ showed highly positive results.

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

64. _____ research is essential to understanding the complex chemical reactions in living organisms.

adj. relating to the chemical processes and substances that occur within living organisms

ANSWERS: 57. sticky, 58. rely, 59. diversity, 60. corps, 61. invisible, 62. recycle, 63. experiments, 64. Biochemical

65. The doctor _____ the child with a vaccine.
v. to introduce a vaccine into the body to produce immunity to a specific disease
66. Videos documenting the process of creating this pencil _____ have been popular worldwide.
n. the pieces of art, such as pictures and photographs used in books, magazines, etc.
67. He had been _____ with her since the first time he saw her.
adj. deeply in love; having a strong affection or admiration for
68. _____ algorithms can find ways to optimize that humans do not anticipate.
adj. relating to or denoting how living things develop or change from earlier forms
69. Laughing is _____ to our health.
adj. helpful, useful, or sound; promoting or enhancing well-being
70. We can calculate the position of the _____ statistically.
n. a small piece of something; a word or piece of a term with grammatical function but little or no significance
71. European powers _____ much of the Americas in the 16th and 17th centuries.
v. to establish a colony in or on a specific place; to settle or occupy in large numbers
72. He has been prescribed an _____ to treat his infection.
n. a substance or drug that kills or slows down the growth of bacteria

ANSWERS: 65. inoculated, 66. artwork, 67. enamored, 68. Evolutionary, 69. beneficial, 70. particles, 71. colonized, 72. antibiotic

73. A defective _____ is responsible for the disease.

- n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.

74. Our law firm also focuses on _____ activities.

- adj.* not established for commercial profit

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

- adv.* without restriction or limitation; completely or utterly

76. He evaluated his chances for _____ rather pessimistically.

- n.* the state of continuing to exist or live, frequently in the face of difficulty or danger

77. The _____ for applying for a visa can be lengthy and complicated.

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

78. They awaited news of the _____ of the election.

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

79. The human _____ contains approximately three billion chemical base pairs.

- n.* the complete set or sequence of genes of a human, animal, plant, or other living things

80. The spaceship began to burn up as it approached the Earth's _____.

- n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

ANSWERS: 73. gene, 74. nonprofit, 75. absolutely, 76. survival, 77. process, 78. outcome, 79. genome, 80. atmosphere

81. I will introduce you to how to _____ the leading causes of the malfunction.

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

82. The train came to a _____ at the station.

- v. to bring or come to a stop; to force to stop moving or operating

83. He made a generous _____ to the charity.

- n. a voluntary gift of money, service, or ideas that are given to a person or an organization, or the act of giving them

84. The toxic algae bloom in the lake was caused by an overgrowth of _____.

- n. a group of photosynthetic bacteria that possess chlorophyll and blue pigments and are characteristically found in aquatic environments; also known as blue-green algae

85. _____ and weather have an impact on every part of our lifestyles.

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

86. The _____ of organic matter releases nutrients back into the soil.

- n. the process of breaking down organic matter into simpler substances through natural processes such as decay

87. The _____ risotto was delicious, but I couldn't identify all the mushrooms in it.

- n. a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap

88. The animal rights group worked to _____ the dolphins back into the wild.

- v. to set free or allow to escape from confinement

ANSWERS: 81. identify, 82. halt, 83. donation, 84. cyanobacteria, 85. Climate, 86. decomposition, 87. mushroom, 88. release

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

adj. constantly changing or moving

90. He approved their requests to _____ the jury.

v. to take temporary possession of someone's property until a debt is paid.

91. The golfer recorded an _____ distance.

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

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

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

93. An infected person in the hospital will likely pass the _____ to others.

n. a tiny infectious organic material that causes disease in people, animals, and plants

94. His family is the oldest _____ of the island.

n. a person or an animal that lives in a particular place

95. We store customer data in cloud _____.

n. the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

96. Advocates for legal reform hear less harsh words from their _____.

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

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

adj. easy to see, discover or understand

ANSWERS: 89. shifting, 90. sequester, 91. amazing, 92. colleague, 93. virus, 94. inhabitant, 95. storage, 96. critics, 97. obvious

98. The younger _____ has different values and beliefs than the older one.
- n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity
99. _____ prevalent in hospitals are often resistant to antibiotics.
- n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
100. In times of recession, an increase in unemployment is _____.
- adj.* certain to happen and unavoidable
101. You should not _____ yourself by allowing them to use you.
- v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
102. The _____ government announced new regulations to protect the environment.
- adj.* relating to a central government or national authority; refers to government policies, laws, or programs that are implemented at a national level rather than a state or local level
103. There are various hypotheses concerning the _____ of life.
- n.* the first existence or beginning of something
104. The patient was diagnosed with a _____ infection.
- n.* (also staph) a type of bacteria that can cause various types of infections in humans, including skin infections, pneumonia, and food poisoning

ANSWERS: 98. generation, 99. Bacteria, 100. inevitable, 101. degrade, 102. federal, 103. origin, 104. staphylococcus

105. Understanding protein folding is a vital step in deciphering the _____ code.
adj. of or relating to genes (= parts of the DNA in cells) or the science of genes
106. The wound on his leg continued to _____ blood even after he applied pressure.
v. to flow or seep out slowly, often in a thick, viscous manner; to exude or emit slowly and steadily
107. Try to keep a _____ between work and off.
n. a condition in which everything has the same weight or force; something left after other parts have been taken away
108. The gut _____ is a major producer of serotonin, which is necessary for human mental stability.
n. the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body
109. The teachers make full use of _____ assistance.
n. a person who performs or offers to perform a job or service without being paid for or forced to do
110. He found _____ in the warm embrace of his loved ones.
n. a state of physical ease and freedom from pain or constraint
111. The carpenter applied _____ to the cabinet joints before nailing them together.
n. a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials
112. The field of _____ includes the study of bacteria, fungi, viruses, and other microorganisms.
n. the study of microorganisms, including bacteria, viruses, fungi, and algae, and their role in various fields such as medicine, agriculture, and the environment

ANSWERS: 105. genetic, 106. ooze, 107. balance, 108. microbiome, 109. volunteer, 110. comfort, 111. glue, 112. microbiology

113. Could you help me _____ some furniture?

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

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

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

115. The vegetation here is almost wholly _____.

adj. connecting with or describing someone's birth country or place of birth, or someone born in a specific country or place

116. The statement had a _____ impact on house prices.

adj. very sudden, very excellent, or full of action and excitement

117. The forest was recently designated a _____ area.

n. the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity

118. Many autocratic policies became a _____ for that country's economy.

n. a rude or offensive word or an expression that is not polite and shows that you are very angry

119. Solar gravity creates _____ pressures and temperatures.

adj. very great in amount or degree

120. I won't let a little criticism _____ me from pursuing my dreams.

v. to disturb or disconcert someone, often causing them to lose their confidence or composure; to unsettle, intimidate, or fluster

121. Her company soon won a _____ market share.

adj. more important, influential, or easy to notice than anything else of the same type

ANSWERS: 113. shift, 114. biology, 115. native, 116. dramatic, 117. conservation, 118. curse, 119. extreme, 120. faze, 121. dominant

122. He was _____ of his freedom when sentenced to life in prison.

v. to take away something from someone

123. We have a mutually _____ connection with them.

adj. involving two varieties of animal or plant, each of which supplies the conditions for the other to exist

124. I chose to _____ cancer by trying every possible treatment.

v. to refuse to accept something and attempt to prevent it from happening

125. _____ moisture is another significant component controlling soil respiration.

n. the top layer of Earth in which plants grow

126. The _____ of the coastline has accelerated due to rising sea levels.

n. the wearing away of rock, soil, or land by natural processes such as wind or water

127. After the party, they had to clean up _____ of dirty dishes.

n. a collection of objects positioned one on top of another; a large sum of something, such as money

128. One light year is nearly 6 _____ miles.

n. the number 1,000,000,000,000; a million million

129. 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

ANSWERS: 122. deprived, 123. symbiotic, 124. resist, 125. Soil, 126. erosion, 127. piles, 128. trillion, 129. digital

130. 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

131. It was the _____ of a dinosaur tooth.

- n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock

132. We combust _____ and other fossil fuels to generate electricity.

- n.* a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat

133. The nurse _____ the instruments before the surgery to prevent any infections.

- v.* to make something free of all forms of life, especially bacteria or viruses, by using heat, chemicals, or radiation

134. The food chain causes a material _____.

- n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

135. After the earthquake, many of the buildings in the city were left in ruins and began to _____.

- v.* to break down or cause to break down over time into simpler substances or elements

136. 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

ANSWERS: 130. planet, 131. fossil, 132. coal, 133. sterilized, 134. cycle, 135. decompose, 136. capture

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

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

138. Eyeless fish _____ in dark caves.

- v.* to develop gradually, or to cause the development of something or someone gradually

139. The paper is _____ worth reading thoroughly.

- adv.* without any question and beyond doubt; clearly

140. The passenger grabbed for the _____ mask.

- n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

141. I'm prepared to _____ challenges throughout this adventure.

- v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly

142. The project's _____ made it difficult for the team to complete it on time.

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

143. His heartaches are less _____ now.

- adj.* happening constantly

144. 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

ANSWERS: 137. breath, 138. evolved, 139. definitely, 140. oxygen, 141. encounter, 142. complexity, 143. frequent, 144. environment

145. _____ weight is the sum of all the atoms.

adj. of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)

146. The _____ at the party was not on the guest list and was asked to leave.

n. a person who intrudes into a place or sphere of activity where they are not wanted or are considered not to belong

147. The _____ of severe weather prompted the city to issue an evacuation warning.

n. a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation

148. A smaller car will _____ less fuel.

v. to spend something, especially fuel, energy, or time, in a large amount

149. The horror movie was so _____ that I couldn't watch it alone.

adj. causing fear or fright; frightening; intimidating

150. The government should do more to support environmentally _____ agriculture.

adj. able to continue or be continued for a long time

151. The government _____ contains top-secret documents and classified information that only a few individuals can access.

n. a large room or chamber used for storage, often for valuables such as money, documents, or artwork; (verb) to leap or jump over something; to move quickly or suddenly

152. The volcano started to _____ lava and ash, causing panic among residents.

v. to eject forcefully and abundantly; to flow out rapidly and in large amounts

ANSWERS: 145. Molecular, 146. interloper, 147. threat, 148. consume, 149. scary, 150. sustainable, 151. vault, 152. spew

153. I advised him to _____ to his new surroundings.

v. to make fit for or change to suit a new purpose or environment

154. This device can more accurately detect _____ pathogens.

adj. relating to or caused by a virus

155. The recent economic downturn has resulted in _____ layoffs.

adj. enormous amount; very heavy and solid

156. This year's _____ gathering will be held in Canada.

adj. important and large in size, scope, or extent

157. During the unloading, the container box _____ a clicking sound.

v. to give off or send out something such as light, heat, sound, gas, etc.

158. 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

ANSWERS: 153. adapt, 154. viral, 155. massive, 156. grand, 157. emits, 158. stick