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Ameya Gondhalekar: Why are cockroaches so hard to kill? | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

banishment

n. the act of expelling or forcing someone to leave a particular place or social group as a form of punishment, often for political or legal reasons

synonym : exile, expulsion, deportation

(1) **banishment** from society, (2) self- **banishment**

The king ordered the **banishment** of the troublemaker from the kingdom.

declare

v. to say, state, or announce something clearly, officially, or publicly

synonym : announce, state, affirm

(1) **declare** independence, (2) **declare** my love

Foreign goods from abroad must be **declared** to customs when entering a country.

vile

adj. highly offensive, unpleasant, or objectionable; morally reprehensible or wicked; characterized by cruelty or violence

synonym : disgusting, repulsive, despicable

(1) **vile** behavior, (2) **vile** language

The **vile** smell coming from the dumpster was unbearable.

cockroach

n. a flat, brown or black, chiefly nocturnal insects sometimes found in the home

synonym : roach

(1) **cockroach** killer, (2) have a **cockroach** phobia

Cockroaches sometimes cause allergic reactions in humans.

oust

v. to force someone out of a position of power, job, place, or competition

synonym : expel, depose, drive out

(1) **oust** the chairman, (2) **oust** him from his post

Higher capacity storage media have **ousted** floppy disks.

insect

n. any small creature that has six legs and a body divided into three sections

(1) **insect** antenna, (2) **insect** biology

These **insects** are more prevalent above a certain latitude.

poison

n. a substance that can cause illness, injury, or death when ingested, inhaled, or absorbed through the skin; something harmful, malicious, or toxic; the act of damaging or ruining a relationship; (verb) to introduce a substance into something or someone harmful and potentially deadly

synonym : toxin, venom, pollutant

(1) **poison** ivy, (2) **poison** bilateral relations

The plant's leaves contain a deadly **poison** that can cause hallucinations and seizures.

trap

n. a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping

synonym : catch, snare, pinfall

(1) set a **trap**, (2) **trap** an animal

The enemy fell right into the **trap**.

hasty

adj. done or acting with excessive speed or urgency and without sufficient thought or consideration

synonym :

rushed, impulsive, prompt

(1) a **hasty** temper, (2) **hasty** commitment

The **hasty** conclusion drawn by the researchers resulted in flawed study findings.

brandish

v. to wave or display something, typically a weapon, in a threatening or aggressive manner; to exhibit something with pride or enthusiasm

synonym: wave, flourish, exhibit

(1) **brandish** a wand, (2) **brandish** a gun

The robber **brandished** a knife and demanded money from the store clerk.

ecology

n. the study of the relationships between living organisms, including humans, and their physical environment

(1) science of **ecology**, (2) the **ecology** of the island

Many companies are now enthusiastically embracing the knowledge of **ecology** for sustainable development.

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.

decay

n. the process or state of rotting or decomposition by natural causes such as the action of bacteria and fungi;
(verb) to rot or decompose through natural causes

synonym: corrosion, decomposition, deterioration

(1) radioactive **decay**, (2) prevent tooth **decay**

The dead body was in an advanced state of **decay**.

organic

adj. of or derived from biological substance; producing plants and animals for food and other items without the use of

synthetic chemicals

synonym : biological

(1) **organic** soils, (2) eat **organic** food

The kidney is an **organic** component of the body.

nourishing

adj. providing the necessary nutrients or sustenance to support health and growth

synonym : nutritious, healthy, sustaining

(1) **nourishing** broth, (2) **nourishing** ingredients

My mother always made sure she had a **nourishing** breakfast before school.

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.

association

n. a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship

synonym : affiliation, collaboration, society

(1) word **associations**, (2) a scholarship **association**

His membership in the **association** provided him with numerous benefits.

germ

n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

synonym : bacterium, microbe, pathogen

(1) antibiotic-resistant **germ**, (2) a **germ-free** environment

The **germ** of his idea came from watching birds flying in flocks.

resilient

adj. able to withstand or recover quickly from difficult conditions

synonym :

robust, sturdy, tough

(1) a hard and **resilient** steel, (2) **resilient** population

She is a **resilient** person and has always bounced back from setbacks.

combination

n. a collection of things that have been combined; an assemblage of separate parts or qualities

synonym: blend, hybrid, compounding

(1) genic **combinations**, (2) **combination** number

The **combination** to the safe was a secret.

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.

adaptation

n. the action or process of changing to suit different conditions

synonym: adaption, adjustment, transformation

(1) **adaptation** ability, (2) language **adaptation**

The company's **adaptation** approach has been highly effective.

old-fashioned

adj. of or relating to a time in the past; not modern

synonym: antiquated, ancient, outdated

(1) an **old-fashioned** person, (2) **old-fashioned** in appearance

My father is **old-fashioned** in his thinking.

removal

n. the act of taking something away or off from a particular place

synonym: extraction, elimination, eradication

(1) dental tartar **removal**, (2) **removal** truck

The **removal** of the statue caused much controversy in the community.

troubling

adj. causing distress, anxiety, worry, or concern; disturbing; causing problems or difficulties

synonym: disturbing, unsettling, concerning

(1) **troubling** anecdotes, (2) a **troubling** trend

The news of the pandemic's spread is **troubling** and concerning.

sensory

adj. of or relating to the physical senses

synonym: receptive, sensuous, neural

(1) a **sensory** organ, (2) a child with **sensory** issues

Sharks have highly developed **sensory** systems and are extremely sensitive creatures.

structure

n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

synonym: construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain

The organizational **structure** of start-ups is often flat and straightforward.

subtle

adj. not readily apparent or visible

synonym: slight, nuanced, exquisite

(1) **subtle** changes, (2) a **subtle** poison

A famous artist painted the room in a **subtle** pink hue.

nervous

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

synonym: neural, anxious, uneasy

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

He suffers from **nervous** breakdowns.

sprint

v. to run at full speed over a short distance or period of time

synonym: dash, bolt, race

(1) **sprint** for a bus, (2) **sprint** towards the finish line
Top athletes can **sprint** 100 meters in less than 10 seconds.

invertebrate

n. a class of animals that do not have a backbone; they include insects, worms, and mollusks

synonym: animal, mollusk, worm

(1) **invertebrate** species, (2) study of **invertebrates**

Many species of marine **invertebrates**, such as corals and sponges, are important components of ocean ecosystems.

equivalent

n. having the same value, quality, meaning, purpose, etc.

synonym: equal, counterpart, match

(1) **equivalent** amounts, (2) **equivalent** in meaning

The European Central Bank is Europe's **equivalent** of the Federal Reserve.

flexible

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

synonym: adaptable, elastic, pliable

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

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

squeeze

v. to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness

synonym: compress, crush, clamp

(1) **squeeze** a lemon, (2) **squeeze** a confession

She **squeezed** the toothpaste tube from the middle to get the last bit out.

quarter

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

synonym: fourth, one-fourth

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

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

withstand

v. to resist the effect or impact of something

synonym: endure, bear, resist

(1) **withstand** pressure, (2) **withstand** temptation

The new phone is waterproof and can **withstand** being dropped in water.

compress

v. to press or squeeze together to make something take up less space

synonym: condense, constrict, squeeze

(1) **compress** the chest, (2) **compress** gas

She **compressed** the files into a single ZIP archive to save space on her computer.

distribute

v. to give something to a large number of individuals, or to spread or furnish something

synonym: broadcast, disperse, hand out

(1) **distribute** wealth evenly, (2) **distribute** video content

His estate was **distributed** to his sons.

adhesive

n. a sticky substance used to hold things together

synonym: sticky, clingy, gluey

(1) **adhesive** ability, (2) **adhesive** tape

You'll need some solid **adhesive** to repair that chair.

expansive

adj. large or wide in extent or scope; friendly and open and willing to talk

synonym: large, extensive, vast

(1) with an **expansive** spirit, (2) **expansive** ocean views

The company has an **expansive** network of offices and locations around the world.

digestive

adj. relating to or capable of causing or promoting digestion of food

(1) **digestive** juices, (2) a **digestive** enzyme

A nutritious diet improves **digestive** functions.

enzyme

n. a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction

synonym: catalyst, activator, accelerator

(1) **enzyme** reaction, (2) lack of digestive **enzymes**

A deficiency in the **enzyme** can lead to a medical condition.

thrive

v. to grow vigorously; to make steady progress

synonym: bloom, flourish, prosper

(1) **thrive** in a society, (2) **thrive** on pressure

Without investment, a business cannot **thrive**.

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.

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**.

nitrogen

n. a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins

(1) heavy **nitrogen**, (2) **nitrogen** absorption

Nitrogen gas is used to inflate car tires because it does not react with rubber.

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.

component

n. one of several parts that combines with others to form something bigger

synonym: element, part, factor

(1) key **component**, (2) spare **components** for cars

The researchers try to discover a common **component** in all types of successful organizations.

protein

n. a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues

(1) stress **protein**, (2) **protein** synthesis

The body needs a certain amount of **protein** to build and repair tissues.

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.

resident

n. a person who lives in a particular place or has their home in a place

synonym: dweller, inhabitant, inhabitant

(1) a **resident** of the city, (2) **resident** tax

Visa renewal for **resident** foreigners in this country is once every five years.

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.

molecule

n. a group of two or more atoms held together by attractive forces known as chemical bonds

synonym : particle, element, atom

(1) small **molecules**, (2) **molecule** behavior

The shape of the DNA **molecule** is a double helix.

vomit

v. to eject food, blood, etc., from the stomach through the mouth; (noun) the matter ejected from the stomach through the mouth

synonym : puke, throw up, spew

(1) **vomit** abuse, (2) **vomit** after ingesting

She felt sick and had to run to the bathroom to **vomit**.

colony

n. a country or an area that is governed by a more powerful country that is often far away

synonym : settlement, territory, plantation

(1) plant a **colony**, (2) a **colony** of bacteria

The **colony** declared its independence and became a republic.

hesitation

n. the act of pausing or being slow before saying or doing something, especially because you feel uncertain or nervous

synonym : unwillingness, indecision, uncertainty

(1) perform without **hesitation**, (2) after some **hesitation**

There was a **hesitation** in her speech.

frolic

v. to play and move around happily and energetically

synonym : play, romp, gambol

(1) **frolic** underwater, (2) **frolic** with friends

Children **frolicked** in the park on a sunny day.

sewer

n. an underground system of pipes used to carry away sewage and wastewater

synonym : drain, pipeline, conduit

(1) **sewer** device, (2) **sewer** system

The city is upgrading its **sewer** system to prevent flooding

during heavy rain.

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.

excrement

n. the waste matter discharged from the body, particularly that which is evacuated through the bowels or urinary tract

synonym : waste, feces, dung

(1) animal **excrement**, (2) human **excrement**

As a dog owner, cleaning up your pet's **excrement** is responsible.

tote

v. to carry or transport something, especially by hand or with some effort; to haul or convey something from one place to another

synonym : carry, haul, transport

(1) **tote** a cell-phone, (2) **tote** her books in a colorful backpack

Can you help me **tote** these groceries to the car?

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.

aureus

n. a type of bacteria, particularly the species *Staphylococcus aureus*, that can cause a range of infections in humans and animals, often resistant to antibiotics and can be difficult to treat; (adjective, "golden" or "of gold" in Latin) relating to something that is gold-colored or has properties similar to gold

synonym : (adjective) golden

(1) **aureus** color, (2) **aureus** infection

Staphylococcus **aureus** is a type of bacteria that can cause skin infections.

coli

n. a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry

(1) E. **coli** bacteria strain, (2) **coli** cells

The study of Escherichia **coli** has led to important advancements in areas such as antibiotic resistance, gut microbiome, and synthetic biology.

suffer

v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

synonym: endure, undergo, tolerate

(1) **suffer** a setback, (2) **suffer** bad grades

The older man **suffers** from arthritis and finds it difficult to move around.

consequence

n. the outcome of a particular action or event, especially relative to an individual

synonym: result, impact, outcome

(1) unintended **consequences**, (2) the **consequence** of an argument

These economic activities had disastrous environmental **consequences**.

equip

v. to provide a person or a place with the things that are needed for a particular purpose or activity

synonym: prepare, furnish, provide

(1) **equip** an army, (2) **equip** our children with some special skills

The construction company **equipped** the building with an earthquake-resistant device.

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.

immunity

n. the ability of an organism to resist infection or disease, often due to the presence of antibodies

synonym : resistance, protection, defense

(1) **immunity** booster, (2) **immunity** response

Vaccination is an effective way to build **immunity** against diseases.

numerous

adj. amounting to a large indefinite number

synonym : many, considerable, countless

(1) **numerous** countries, (2) as **numerous** as the sand

These descriptions are based on a number of **numerous** assumptions.

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**.

duplicate

v. to make or be an exact copy of something; to reproduce something

synonym : copy, replicate, reproduce

(1) **duplicate** my efforts, (2) **duplicate** his action

I need to **duplicate** this document before I send it.

infect

v. to affect a person, an animal, or a plant with a disease-causing organism

synonym : pollute, contaminate, affect

(1) **infect** other animal species, (2) **infect** a computer with a

virus

Children often **infect** parents with this head cold.

immune

adj. protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells

synonym: resistant, unsusceptible, unaffected

(1) **immune** from criminal prosecution, (2) the cell of the **immune** system

The vaccination does not necessarily make you completely **immune**.

efficiently

adv. in a way that produces maximum output with minimum effort or expense

synonym: expeditiously, skillfully, ably

(1) **efficiently** combined, (2) develop software more **efficiently**

We can resolve support requests quickly and **efficiently** by utilization of AI.

unleash

v. to suddenly release a strong force, emotion, etc. that cannot be controlled

synonym: discharge, free, release

(1) **unleash** a hound, (2) **unleash** her anger

The general was still reluctant to **unleash** his troops in pursuit of an enemy.

antimicrobial

adj. having the ability to prevent or combat the growth of microorganisms, particularly bacteria and fungi

synonym: antibacterial, germicidal, disinfectant

(1) **antimicrobial** properties, (2) **antimicrobial** treatment

The medical team used an **antimicrobial** solution to clean the surgical instruments.

slew

v. to turn or slip abruptly and sharply; (past for of) slay;
(noun) a large number or amount or extent

synonym: slide, curve, (noun) heap

(1) **slew** around suddenly, (2) have a **slew** of ideas
He **slew** many Trojan warriors in this war.

defend

v. to protect someone or something from attack, criticism, danger, etc.

synonym: protect, guard, support

(1) **defend** my country, (2) **defend** against a threat

International law allows each nation to **defend** itself when its rights and interests are illegally violated.

pesticide

n. a substance used for preventing, destroying, repelling, or mitigating any pest

synonym: insecticide, herbicide, fungicide

(1) **pesticide** application, (2) **pesticide** residue

The farmer sprayed **pesticide** on his crops to protect them from insects.

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.

spray

n. a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage

synonym: mist, aerosol, atomizer

(1) a **spray** of mist, (2) an insect **spray**

The artist used a **spray** paint can to create a graffiti mural on the wall.

insecticide

n. a substance used to kill insects

synonym: pesticide, bug-killer, rodenticide

(1) **insecticide** spray, (2) **insecticide** residue

The farmer sprayed the crop with **insecticide** to protect it

from pests.

absorb

v. to take in a fluid or other substance gradually

synonym: consume, soak, ingest

(1) **absorb** energy, (2) **absorb** a shock

The sponge **absorbs** water well.

bind

v. to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

synonym: tie, stick to, adhere

(1) **bind** the man's hands, (2) **bind** old letters into a bundle

The company's rules **bind** the employee's working hours.

sodium

n. a metallic element that is the most common alkali metal and is used in the production of many chemicals, including soap, glass, and paper

synonym: Na, salt, alkali

(1) reduce my **sodium** intake, (2) **sodium** bicarbonate

High levels of **sodium** in the diet can increase the risk of developing high blood pressure.

propagate

v. to spread or promote something widely, particularly beliefs, ideas, or plants and animals through reproduction

synonym: propagate, multiply, reproduce

(1) **propagate** a rumor, (2) **propagate** plants

The company is working hard to **propagate** their brand message to as many people as possible

impulse

n. a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber

synonym: stimulation, provocation, urge

(1) a combative **impulse**, (2) profound religious **impulses**

Nerve **impulses** cross a synapse through the action of neurotransmitters.

repeatedly

adv. again and again; many times

synonym : frequently, over and over, constantly

(1) use cell phone **repeatedly**, (2) **repeatedly** nod

He claims that his legitimate requests were **repeatedly** ignored.

exposed

adj. having no protection or shield from something, such as bad weather, attack, or criticism

synonym : endangered, revealed, disclosed

(1) **exposed** to radiation, (2) an **exposed** rock

Tech companies often employ **exposed** ducts and other materials in their office interiors.

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.

mutation

n. the way in which genes of a person, plant, animal, or other organism change and produce permanent differences

synonym : metamorphosis, transformation, alteration

(1) **mutation** of DNA, (2) hereditary **mutation**

Radiation often promotes genetic **mutations** in plants and animals.

detoxification

n. the process of removing harmful or toxic substances from the body; the process of eliminating or reducing the harmful effects of something

synonym : cleansing, purification, detox

(1) **detoxification** process, (2) natural **detoxification**

Detoxification programs can help eliminate harmful substances and improve overall health.

render

v. to bring someone or something into a particular state; to provide something such as service, help, etc.

synonym: deliver, give, provide

(1) **render** an assessment, (2) **render** the contract void

The jury must **render** a decision on this complex case.

harmless

adj. not able or not likely to cause damage or harm

synonym: benign, innocuous, inoffensive

(1) **harmless** in most people, (2) **harmless** substances

Most people thought of him as a **harmless** eccentric.

excrete

v. to discharge waste matter, such as urine or feces, from the body or a cell or gland

synonym: eliminate, expel, secrete

(1) **excrete** a sticky liquid, (2) **excrete** waste products

The body **excretes** excess salt through urine to maintain proper electrolyte balance.

reproduce

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

synonym: duplicate, breed, imitate

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

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

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.

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.

contrary

n. acting in opposition to what is expected or desired

synonym: opposing, contradictory, conflicting

(1) the clear **contrary**, (2) **contrary** evidence

The two sides argued their points, but the judge ultimately sided with the **contrary** viewpoint.

nuclear

adj. of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

synonym: atomic

(1) **nuclear** fusion, (2) use of **nuclear** power

Many countries have now agreed to a treaty banning the use of **nuclear** weapons.

apocalyptic

adj. describing severe damage and destruction in past or future events, or the end of the world

synonym: fateful, prophetic, ominous

(1) **apocalyptic** event, (2) have **apocalyptic** overtones

The **apocalyptic** landscape of burnt-out villages and bombed-out ruins spread out before them.

comp

v. short for "compensate," meaning to give goods or services to someone without asking for payment

synonym: waive, cover, provide

(1) **comp** their meal, (2) **comp** the employees with a bonus

The casino **comped** her room and meals for being a high-rolling gambler.

tolerant

adj. accepting different views, beliefs, or practices without judgment or interference

synonym: forgiving, lenient, permissive

(1) a **tolerant** teacher, (2) **tolerant** of his failure

She was known for her **tolerant** attitude toward different

cultures.

radiation

n. the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

synonym: dissemination, emission, irradiation

(1) exposure to **radiation**, (2) electromagnetic **radiation**
He tried every possible treatment, including chemotherapy and **radiation** therapy.

explosion

n. a violent release induced by a chemical or nuclear reaction

synonym: burst, eruption, outbreak

(1) a lot of **explosions**, (2) site of the **explosion**
A broken gas pipe triggered the **explosion**.

severely

adv. very badly or seriously

synonym: harshly, hardly, oppressively

(1) **severely** burned arm, (2) criticize him **severely**
Her company was **severely** affected by the bank's failure.

compromise

v. to settle a problem or disagreement by mutual concession

synonym: agree, settle, negotiate

(1) **compromise** the matter, (2) cannot **compromise** anymore
They never **compromised** on development despite the lack of funds.

moreover

adv. indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before

synonym: furthermore, besides, in addition

(1) **moreover**, she decided to go, (2) but **moreover**, they work well together
The company is environmentally conscious, and **moreover**, it

uses sustainable materials in its products.

disaster

n. an unexpected event or series of events that cause widespread damage, destruction, or loss of life

synonym: catastrophe, calamity, tragedy

(1) global **disaster**, (2) **disaster** recovery

The **disaster** response team worked around the clock to aid those affected by the earthquake.

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.

jeopardize

v. to put something at risk or in danger; to threaten or endanger something or someone

synonym: endanger, imperil, risk

(1) **jeopardize** safety, (2) **jeopardize** reputation

His reckless behavior could **jeopardize** his chances of getting hired for the job.

buffet

n. a meal where guests serve themselves from a counter or sideboard

synonym: sideboard, counter, smorgasbord

(1) **buffet** style, (2) have a **buffet** meal

The **buffet** at the hotel had a wide variety of food options.

mutual

adj. common to or shared by two or more parties

synonym: shared, common, joint

(1) share of a **mutual** fund, (2) **mutual** efforts

They cooperated for their **mutual** benefit.

destruction

n. the act of causing so much damage to something

synonym: devastation, annihilation, ruin

(1) path of **destruction**, (2) cyclonic **destruction**

The extinction of several subspecies has been linked to climate change and habitat **destruction**.

Session 2: Spelling

- | | |
|------------------------------|---|
| 1. di_____er recovery | <i>n.</i> an unexpected event or series of events that cause widespread damage, destruction, or loss of life |
| 2. un_____h her anger | <i>v.</i> to suddenly release a strong force, emotion, etc. that cannot be controlled |
| 3. wi_____nd pressure | <i>v.</i> to resist the effect or impact of something |
| 4. pe_____de residue | <i>n.</i> a substance used for preventing, destroying, repelling, or mitigating any pest |
| 5. ab____b a shock | <i>v.</i> to take in a fluid or other substance gradually |
| 6. es_____al amino acid | <i>adj.</i> indispensable; fundamental |
| 7. su____r a setback | <i>v.</i> to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant |
| 8. se__r device | <i>n.</i> an underground system of pipes used to carry away sewage and wastewater |
| 9. spare co_____nts for cars | <i>n.</i> one of several parts that combines with others to form something bigger |
| 10. mu____l efforts | <i>adj.</i> common to or shared by two or more parties |
| 11. use of nu_____r power | <i>adj.</i> of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy |

ANSWERS: 1. disaster, 2. unleash, 3. withstand, 4. pesticide, 5. absorb, 6. essential, 7. suffer, 8. sewer, 9. component, 10. mutual, 11. nuclear

12. re_____ce the painting *v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
13. sq_____e a confession *v.* to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness
14. cyclonic des_____on *n.* the act of causing so much damage to something
15. a hard and re_____nt steel *adj.* able to withstand or recover quickly from difficult conditions
16. but mo_____er, they work well together *adv.* indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before
17. the clear co_____ry *n.* acting in opposition to what is expected or desired
18. an ex_____d rock *adj.* having no protection or shield from something, such as bad weather, attack, or criticism
19. a ge_____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
20. in____t other animal species *v.* to affect a person, an animal, or a plant with a disease-causing organism
21. nu_____r fusion *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

ANSWERS: 12. reproduce, 13. squeeze, 14. destruction, 15. resilient, 16. moreover, 17. contrary, 18. exposed, 19. genetic, 20. infect, 21. nuclear

22. pr____n synthesis *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
23. com_____on number *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
24. jeo_____ze reputation *v.* to put something at risk or in danger; to threaten or endanger something or someone
25. science of ec_____y *n.* the study of the relationships between living organisms, including humans, and their physical environment
26. th___e on pressure *v.* to grow vigorously; to make steady progress
27. a se_____y organ *adj.* of or relating to the physical senses
28. nu_____us countries *adj.* amounting to a large indefinite number
29. ins_____de spray *n.* a substance used to kill insects
30. nu_____nt medicine *n.* any substance that is essential for the maintenance and growth of living things
31. ad_____ve tape *n.* a sticky substance used to hold things together
32. co_____ss the chest *v.* to press or squeeze together to make something take up less space
33. im___e from criminal prosecution *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells

ANSWERS: 22. protein, 23. combination, 24. jeopardize, 25. ecology, 26. thrive, 27. sensory, 28. numerous, 29. insecticide, 30. nutrient, 31. adhesive, 32. compress, 33. immune

34. re_____e the cardboard boxes *v.* to sort and collect things to process them and produce valuable materials that can be used again
35. eq__p an army *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
36. vo__t abuse *v.* to eject food, blood, etc., from the stomach through the mouth; (noun) the matter ejected from the stomach through the mouth
37. ex_____d to radiation *adj.* having no protection or shield from something, such as bad weather, attack, or criticism
38. re_____ce by myself *v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
39. word ass_____ons *n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship
40. su_____e a plane crash *v.* to live or exist despite a dangerous event or period
41. o__t him from his post *v.* to force someone out of a position of power, job, place, or competition
42. a child with se_____y issues *adj.* of or relating to the physical senses
43. di_____ve juices *adj.* relating to or capable of causing or promoting digestion of food
44. ex_____e waste products *v.* to discharge waste matter, such as urine or feces, from the body or a cell or gland

ANSWERS: 34. recycle, 35. equip, 36. vomit, 37. exposed, 38. reproduce, 39. association, 40. survive, 41. oust, 42. sensory, 43. digestive, 44. excrete

45. fl____le schedules *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
46. eat or____c food *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
47. after some hes_____on *n.* the act of pausing or being slow before saying or doing something, especially because you feel uncertain or nervous
48. ada_____on ability *n.* the action or process of changing to suit different conditions
49. su___e changes *adj.* not readily apparent or visible
50. en___e reaction *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
51. pe_____de application *n.* a substance used for preventing, destroying, repelling, or mitigating any pest
52. pathogenic mi_____e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
53. dental tartar re_____l *n.* the act of taking something away or off from a particular place
54. E. c__i bacteria strain *n.* a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry
55. ab___b energy *v.* to take in a fluid or other substance gradually

ANSWERS: 45. flexible, 46. organic, 47. hesitation, 48. adaptation, 49. subtle, 50. enzyme, 51. pesticide, 52. microbe, 53. removal, 54. coli, 55. absorb

56. old_____ned in appearance *adj.* of or relating to a time in the past; not modern
57. wi_____nd temptation *v.* to resist the effect or impact of something
58. end of the first qu_____r *n.* one of four equal parts; a fourth part or portion
59. ex_____e a sticky liquid *v.* to discharge waste matter, such as urine or feces, from the body or a cell or gland
60. co_____e electricity *v.* to spend something, especially fuel, energy, or time, in a large amount
61. dis_____te wealth evenly *v.* to give something to a large number of individuals, or to spread or furnish something
62. as nu_____us as the sand *adj.* amounting to a large indefinite number
63. b__d the man's hands *v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
64. o__t the chairman *v.* to force someone out of a position of power, job, place, or competition
65. se__r system *n.* an underground system of pipes used to carry away sewage and wastewater
66. po____n bilateral relations *n.* a substance that can cause illness, injury, or death when ingested, inhaled, or absorbed through the skin; something harmful, malicious, or toxic; the act of damaging or ruining a relationship; (verb) to introduce a substance into something or someone harmful and potentially deadly

ANSWERS: 56. old-fashioned, 57. withstand, 58. quarter, 59. excrete, 60. consume, 61. distribute, 62. numerous, 63. bind, 64. oust, 65. sewer, 66. poison

67. su____e a blizzard *v.* to live or exist despite a dangerous event or period
68. ban_____nt from society *n.* the act of expelling or forcing someone to leave a particular place or social group as a form of punishment, often for political or legal reasons
69. penicillin-re_____nt bacteria *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
70. natural det_____ion *n.* the process of removing harmful or toxic substances from the body; the process of eliminating or reducing the harmful effects of something
71. de____e independence *v.* to say, state, or announce something clearly, officially, or publicly
72. exposure to ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
73. a scholarship ass_____on *n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship
74. hereditary mu_____on *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
75. c__i cells *n.* a bacterium of the genus *Escherichia* that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry

ANSWERS: 67. survive, 68. banishment, 69. resistant, 70. detoxification, 71. declare, 72. radiation, 73. association, 74. mutation, 75. coli

76. vo__t after ingesting *v.* to eject food, blood, etc., from the stomach through the mouth; (noun) the matter ejected from the stomach through the mouth
77. in___t antenna *n.* any small creature that has six legs and a body divided into three sections
78. equ_____nt in meaning *n.* having the same value, quality, meaning, purpose, etc.
79. an old_____ned person *adj.* of or relating to a time in the past; not modern
80. pr_____te plants *v.* to spread or promote something widely, particularly beliefs, ideas, or plants and animals through reproduction
81. development of the ne_____s system *adj.* worried and anxious about something; relating to the nerves
82. 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
83. eq__p our children with some special skills *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
84. re_____l truck *n.* the act of taking something away or off from a particular place
85. 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: 76. vomit, 77. insect, 78. equivalent, 79. old-fashioned, 80. propagate, 81. nervous, 82. bacteria, 83. equip, 84. removal, 85. bacteria

86. toxic ch____als *adj.* relating to or connected with chemistry;
87. c__p their meal *v.* short for "compensate," meaning to give goods or services to someone without asking for payment
88. br____sh a wand *v.* to wave or display something, typically a weapon, in a threatening or aggressive manner; to exhibit something with pride or enthusiasm
89. br____sh a gun *v.* to wave or display something, typically a weapon, in a threatening or aggressive manner; to exhibit something with pride or enthusiasm
90. a fl____le wire *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
91. a tr____ng trend *adj.* causing distress, anxiety, worry, or concern; disturbing; causing problems or difficulties
92. ant____ial properties *adj.* having the ability to prevent or combat the growth of microorganisms, particularly bacteria and fungi
93. co____ry evidence *n.* acting in opposition to what is expected or desired
94. jeo____ze safety *v.* to put something at risk or in danger; to threaten or endanger something or someone
95. nou____ng broth *adj.* providing the necessary nutrients or sustenance to support health and growth

ANSWERS: 86. chemical, 87. comp, 88. brandish, 89. brandish, 90. flexible, 91. troubling, 92. antimicrobial, 93. contrary, 94. jeopardize, 95. nourishing

96. det _____ion process *n.* the process of removing harmful or toxic substances from the body; the process of eliminating or reducing the harmful effects of something
97. c__p the employees with a bonus *v.* short for "compensate," meaning to give goods or services to someone without asking for payment
98. to_____nt of his failure *adj.* accepting different views, beliefs, or practices without judgment or interference
99. a combative im_____e *n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber
100. res_____ce movement *n.* the act of defending oneself from an aggressor or refusing to accept something
101. com_____se the matter *v.* to settle a problem or disagreement by mutual concession
102. res_____ce to insulin *n.* the act of defending oneself from an aggressor or refusing to accept something
103. the con_____ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual
104. have ge_____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
105. the cell of the im_____e system *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells

ANSWERS: 96. detoxification, 97. comp, 98. tolerant, 99. impulse, 100. resistance, 101. compromise, 102. resistance, 103. consequence, 104. genetic, 105. immune

106. dis_____te video content *v.* to give something to a large number of individuals, or to spread or furnish something
107. site of the ex_____on *n.* a violent release induced by a chemical or nuclear reaction
108. a ch_____al compound *adj.* relating to or connected with chemistry;
109. ad__t as needed *v.* to make fit for or change to suit a new purpose or environment
110. a nu_____nt for hair *n.* any substance that is essential for the maintenance and growth of living things
111. a co_____y of bacteria *n.* a country or an area that is governed by a more powerful country that is often far away
112. genic com_____ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
113. su___r bad grades *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
114. prevent tooth de__y *n.* the process or state of rotting or decomposition by natural causes such as the action of bacteria and fungi; (verb) to rot or decompose through natural causes
115. have apo_____ic overtones *adj.* describing severe damage and destruction in past or future events, or the end of the world
116. in___t a computer with a virus *v.* to affect a person, an animal, or a plant with a disease-causing organism

ANSWERS: 106. distribute, 107. explosion, 108. chemical, 109. adapt, 110. nutrient, 111. colony, 112. combination, 113. suffer, 114. decay, 115. apocalyptic, 116. infect

117. with an ex_____ve spirit *adj.* large or wide in extent or scope; friendly and open and willing to talk
118. heavy ni_____en *n.* a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins
119. fr___c with friends *v.* to play and move around happily and energetically
120. sp___t for a bus *v.* to run at full speed over a short distance or period of time
121. co_____e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount
122. ev___e *v.* to develop gradually, or to cause the development of something or someone gradually
123. rep_____ly nod *adv.* again and again; many times
124. in___t biology *n.* any small creature that has six legs and a body divided into three sections
125. ant_____ial treatment *adj.* having the ability to prevent or combat the growth of microorganisms, particularly bacteria and fungi
126. criticize him se_____ly *adv.* very badly or seriously
127. au___s color *n.* a type of bacteria, particularly the species *Staphylococcus aureus*, that can cause a range of infections in humans and animals, often resistant to antibiotics and can be difficult to treat; (adjective, "golden" or "of gold" in Latin) relating to something that is gold-colored or has properties similar to gold

ANSWERS: 117. expansive, 118. nitrogen, 119. frolic, 120. sprint, 121. consume, 122. evolve, 123. repeatedly, 124. insect, 125. antimicrobial, 126. severely, 127. aureus

128. de_____e my love *v.* to say, state, or announce something clearly, officially, or publicly
129. human ex_____nt *n.* the waste matter discharged from the body, particularly that which is evacuated through the bowels or urinary tract
130. key co_____nt *n.* one of several parts that combines with others to form something bigger
131. reduce my so____m intake *n.* a metallic element that is the most common alkali metal and is used in the production of many chemicals, including soap, glass, and paper
132. re_____nt population *adj.* able to withstand or recover quickly from difficult conditions
133. co_____ch killer *n.* a flat, brown or black, chiefly nocturnal insects sometimes found in the home
134. un_____h a hound *v.* to suddenly release a strong force, emotion, etc. that cannot be controlled
135. the pa_____en in the air *n.* a bacterium, virus, or other microorganism that causes disease
136. plant a co____y *n.* a country or an area that is governed by a more powerful country that is often far away
137. antibiotic-resistant g__m *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
138. plant pa_____en *n.* a bacterium, virus, or other microorganism that causes disease

ANSWERS: 128. declare, 129. excrement, 130. component, 131. sodium, 132. resilient, 133. cockroach, 134. unleash, 135. pathogen, 136. colony, 137. germ, 138. pathogen

139. ad__t fully to the environment *v.* to make fit for or change to suit a new purpose or environment
140. mu_____on of DNA *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
141. ad_____ve ability *n.* a sticky substance used to hold things together
142. re___r an assessment *v.* to bring someone or something into a particular state; to provide something such as service, help, etc.
143. re_____nt to persuasion *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
144. eff_____ly combined *adv.* in a way that produces maximum output with minimum effort or expense
145. po___n ivy *n.* a substance that can cause illness, injury, or death when ingested, inhaled, or absorbed through the skin; something harmful, malicious, or toxic; the act of damaging or ruining a relationship; (verb) to introduce a substance into something or someone harmful and potentially deadly
146. a sp__y of mist *n.* a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage
147. ins_____de residue *n.* a substance used to kill insects
148. t__e her books in a colorful backpack *v.* to carry or transport something, especially by hand or with some effort; to haul or convey something from one place to another

ANSWERS: 139. adapt, 140. mutation, 141. adhesive, 142. render, 143. resistant, 144. efficiently, 145. poison, 146. spray, 147. insecticide, 148. tote

149. chaotic env_____nt	<i>n.</i> the natural world such as air, water, and land in which humans, animals, and plants live
150. path of des_____on	<i>n.</i> the act of causing so much damage to something
151. ex_____ve ocean views	<i>adj.</i> large or wide in extent or scope; friendly and open and willing to talk
152. se_____ly burned arm	<i>adv.</i> very badly or seriously
153. re_____nt tax	<i>n.</i> a person who lives in a particular place or has their home in a place
154. sq_____e a lemon	<i>v.</i> to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness
155. a qu_____r mile	<i>n.</i> one of four equal parts; a fourth part or portion
156. perform without hes_____on	<i>n.</i> the act of pausing or being slow before saying or doing something, especially because you feel uncertain or nervous
157. ha__y commitment	<i>adj.</i> done or acting with excessive speed or urgency and without sufficient thought or consideration
158. radioactive de__y	<i>n.</i> the process or state of rotting or decomposition by natural causes such as the action of bacteria and fungi; (verb) to rot or decompose through natural causes
159. pr_____te a rumor	<i>v.</i> to spread or promote something widely, particularly beliefs, ideas, or plants and animals through reproduction

ANSWERS: 149. environment, 150. destruction, 151. expansive, 152. severely, 153. resident, 154. squeeze, 155. quarter, 156. hesitation, 157. hasty, 158. decay, 159. propagate

160. mo____le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
161. an insect sp__y *n.* a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage
162. re____r the contract void *v.* to bring someone or something into a particular state; to provide something such as service, help, etc.
163. so____m bicarbonate *n.* a metallic element that is the most common alkali metal and is used in the production of many chemicals, including soap, glass, and paper
164. th____e in a society *v.* to grow vigorously; to make steady progress
165. ev____e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
166. du____te his action *v.* to make or be an exact copy of something; to reproduce something
167. de____d against a threat *v.* to protect someone or something from attack, criticism, danger, etc.
168. 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.
169. develop software more eff____ly *adv.* in a way that produces maximum output with minimum effort or expense

ANSWERS: 160. molecule, 161. spray, 162. render, 163. sodium, 164. thrive, 165. evolve, 166. duplicate, 167. defend, 168. gene, 169. efficiently

170. ha_____ss substances *adj.* not able or not likely to cause damage or harm
171. t__e a cell-phone *v.* to carry or transport something, especially by hand or with some effort; to haul or convey something from one place to another
172. mo_____er, she decided to go *adv.* indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before
173. have a bu____t meal *n.* a meal where guests serve themselves from a counter or sideboard
174. fr____c underwater *v.* to play and move around happily and energetically
175. de____d my country *v.* to protect someone or something from attack, criticism, danger, etc.
176. t__p an animal *n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
177. lack of digestive en____es *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
178. have a s__w of ideas *v.* to turn or slip abruptly and sharply; (past for of) slay; (noun) a large number or amount or extent
179. th_____en national security *v.* to utter intentions of injury or punishment against someone
180. profound religious im_____es *n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber

ANSWERS: 170. harmless, 171. tote, 172. moreover, 173. buffet, 174. frolic, 175. defend, 176. trap, 177. enzyme, 178. slew, 179. threaten, 180. impulse

181. inv_____ate species *n.* a class of animals that do not have a backbone; they include insects, worms, and mollusks
182. a g__m-free environment *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
183. language ada_____on *n.* the action or process of changing to suit different conditions
184. im_____ty booster *n.* the ability of an organism to resist infection or disease, often due to the presence of antibodies
185. a su___e poison *adj.* not readily apparent or visible
186. mi_____es sterilizer *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
187. the ec_____y of the island *n.* the study of the relationships between living organisms, including humans, and their physical environment
188. a re_____nt of the city *n.* a person who lives in a particular place or has their home in a place
189. a di_____ve enzyme *adj.* relating to or capable of causing or promoting digestion of food
190. small mo_____les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
191. stress pr_____n *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues

ANSWERS: 181. invertebrate, 182. germ, 183. adaptation, 184. immunity, 185. subtle, 186. microbe, 187. ecology, 188. resident, 189. digestive, 190. molecule, 191. protein

192. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
193. or_____c soils *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
194. global di_____er *n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
195. a lot of ex_____ons *n.* a violent release induced by a chemical or nuclear reaction
196. self-ban_____nt *n.* the act of expelling or forcing someone to leave a particular place or social group as a form of punishment, often for political or legal reasons
197. share of a mu___l fund *adj.* common to or shared by two or more parties
198. th_____en a healthy relationship *v.* to utter intentions of injury or punishment against someone
199. a to_____nt teacher *adj.* accepting different views, beliefs, or practices without judgment or interference
200. a ha__y temper *adj.* done or acting with excessive speed or urgency and without sufficient thought or consideration
201. animal ex_____nt *n.* the waste matter discharged from the body, particularly that which is evacuated through the bowels or urinary tract

ANSWERS: 192. structure, 193. organic, 194. disaster, 195. explosion, 196. banishment, 197. mutual, 198. threaten, 199. tolerant, 200. hasty, 201. excrement

202. au___s infection *n.* a type of bacteria, particularly the species *Staphylococcus aureus*, that can cause a range of infections in humans and animals, often resistant to antibiotics and can be difficult to treat; (adjective, "golden" or "of gold" in Latin) relating to something that is gold-colored or has properties similar to gold
203. unintended con_____ces *n.* the outcome of a particular action or event, especially relative to an individual
204. es_____al commodities of life *adj.* indispensable; fundamental
205. b__d old letters into a bundle *v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
206. 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
207. have a co_____ch phobia *n.* a flat, brown or black, chiefly nocturnal insects sometimes found in the home
208. v__e language *adj.* highly offensive, unpleasant, or objectionable; morally reprehensible or wicked; characterized by cruelty or violence
209. bu___t style *n.* a meal where guests serve themselves from a counter or sideboard
210. im_____ty response *n.* the ability of an organism to resist infection or disease, often due to the presence of antibodies

ANSWERS: 202. aureus, 203. consequence, 204. essential, 205. bind, 206. recycle, 207. cockroach, 208. vile, 209. buffet, 210. immunity

211. electromagnetic ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
212. co_____ss gas *v.* to press or squeeze together to make something take up less space
213. apo_____ic event *adj.* describing severe damage and destruction in past or future events, or the end of the world
214. nou_____ng ingredients *adj.* providing the necessary nutrients or sustenance to support health and growth
215. equ_____nt amounts *n.* having the same value, quality, meaning, purpose, etc.
216. tr_____ng anecdotes *adj.* causing distress, anxiety, worry, or concern; disturbing; causing problems or difficulties
217. study of inv_____ates *n.* a class of animals that do not have a backbone; they include insects, worms, and mollusks
218. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
219. ni_____en absorption *n.* a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins
220. get ne_____s *adj.* worried and anxious about something; relating to the nerves

ANSWERS: 211. radiation, 212. compress, 213. apocalyptic, 214. nourishing, 215. equivalent, 216. troubling, 217. invertebrate, 218. environment, 219. nitrogen, 220. nervous

221. v__e behavior *adj.* highly offensive, unpleasant, or objectionable; morally reprehensible or wicked; characterized by cruelty or violence
222. sp___t towards the finish line *v.* to run at full speed over a short distance or period of time
223. use cell phone rep_____ly *adv.* again and again; many times
224. du_____te my efforts *v.* to make or be an exact copy of something; to reproduce something
225. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
226. ha_____ss in most people *adj.* not able or not likely to cause damage or harm
227. 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.
228. cannot com_____se anymore *v.* to settle a problem or disagreement by mutual concession
229. set a t__p *n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
230. s__w around suddenly *v.* to turn or slip abruptly and sharply; (past for of) slay; (noun) a large number or amount or extent

ANSWERS: 221. vile, 222. sprint, 223. repeatedly, 224. duplicate, 225. structure, 226. harmless, 227. gene, 228. compromise, 229. trap, 230. slew

Session 3: Fill in the Blanks

1. Various artificially induced causes are _____ our ecosystem.
v. to utter intentions of injury or punishment against someone
2. They never _____ on development despite the lack of funds.
v. to settle a problem or disagreement by mutual concession
3. The extinction of several subspecies has been linked to climate change and habitat _____.
n. the act of causing so much damage to something
4. He tried every possible treatment, including chemotherapy and _____ therapy.
n. the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
5. The news of the pandemic's spread is _____ and concerning.
adj. causing distress, anxiety, worry, or concern; disturbing; causing problems or difficulties
6. The _____ to the safe was a secret.
n. a collection of things that have been combined; an assemblage of separate parts or qualities
7. The researchers try to discover a common _____ in all types of successful organizations.
n. one of several parts that combines with others to form something bigger

ANSWERS: 1. threatening, 2. compromised, 3. destruction, 4. radiation, 5. troubling, 6. combination, 7. component

8. The enemy fell right into the _____.
- n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
9. She _____ the files into a single ZIP archive to save space on her computer.
- v.* to press or squeeze together to make something take up less space
10. The company has an _____ network of offices and locations around the world.
- adj.* large or wide in extent or scope; friendly and open and willing to talk
11. The dead body was in an advanced state of _____.
- n.* the process or state of rotting or decomposition by natural causes such as the action of bacteria and fungi; (verb) to rot or decompose through natural causes
12. Many species of marine _____ such as corals and sponges, are important components of ocean ecosystems.
- n.* a class of animals that do not have a backbone; they include insects, worms, and mollusks
13. Children _____ in the park on a sunny day.
- v.* to play and move around happily and energetically
14. High levels of _____ in the diet can increase the risk of developing high blood pressure.
- n.* a metallic element that is the most common alkali metal and is used in the production of many chemicals, including soap, glass, and paper
15. Many countries have now agreed to a treaty banning the use of _____ weapons.
- adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

ANSWERS: 8. trap, 9. compressed, 10. expansive, 11. decay, 12. invertebrates, 13. frolicked, 14. sodium, 15. nuclear

16. mRNA vaccines are approved faster because they do not contain inactivated _____.
- n.* a bacterium, virus, or other microorganism that causes disease
17. 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
18. A broken gas pipe triggered the _____.
- n.* a violent release induced by a chemical or nuclear reaction
19. The older man _____ from arthritis and finds it difficult to move around.
- v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
20. The organizational _____ of start-ups is often flat and straightforward.
- n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
21. She _____ the toothpaste tube from the middle to get the last bit out.
- v.* to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness
22. The _____ of his idea came from watching birds flying in flocks.
- n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
23. The company is environmentally conscious, and _____ it uses sustainable materials in its products.
- adv.* indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before

ANSWERS: 16. pathogens, 17. environment, 18. explosion, 19. suffers, 20. structure, 21. squeezed, 22. germ, 23. moreover,

24. Staphylococcus _____ is a type of bacteria that can cause skin infections.
- n.* a type of bacteria, particularly the species Staphylococcus aureus, that can cause a range of infections in humans and animals, often resistant to antibiotics and can be difficult to treat; (adjective, "golden" or "of gold" in Latin) relating to something that is gold-colored or has properties similar to gold
25. The farmer sprayed _____ on his crops to protect them from insects.
- n.* a substance used for preventing, destroying, repelling, or mitigating any pest
26. His membership in the _____ provided him with numerous benefits.
- n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship
27. He suffers from _____ breakdowns.
- adj.* worried and anxious about something; relating to the nerves
28. 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
29. Higher capacity storage media have _____ floppy disks.
- v.* to force someone out of a position of power, job, place, or competition
30. He _____ many Trojan warriors in this war.
- v.* to turn or slip abruptly and sharply; (past for of) slay; (noun) a large number or amount or extent
31. The company is working hard to _____ their brand message to as many people as possible
- v.* to spread or promote something widely, particularly beliefs, ideas, or plants and animals through reproduction

ANSWERS: 24. aureus, 25. pesticide, 26. association, 27. nervous, 28. nutrients, 29. ousted, 30. slew, 31. propagate

32. The new phone is waterproof and can _____ being dropped in water.
v. to resist the effect or impact of something
33. Without investment, a business cannot _____.
v. to grow vigorously; to make steady progress
34. The _____ conclusion drawn by the researchers resulted in flawed study findings.
adj. done or acting with excessive speed or urgency and without sufficient thought or consideration
35. These birds can only _____ in temperate climates.
v. to live or exist despite a dangerous event or period
36. Radiation often promotes genetic _____ in plants and animals.
n. the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
37. Nerve _____ cross a synapse through the action of neurotransmitters.
n. a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber
38. The kidney is an _____ component of the body.
adj. of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
39. _____ 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

ANSWERS: 32. withstand, 33. thrive, 34. hasty, 35. survive, 36. mutations, 37. impulses, 38. organic, 39. Microbes

40. Visa renewal for _____ foreigners in this country is once every five years.
n. a person who lives in a particular place or has their home in a place
41. His reckless behavior could _____ his chances of getting hired for the job.
v. to put something at risk or in danger; to threaten or endanger something or someone
42. As a dog owner, cleaning up your pet's _____ is responsible.
n. the waste matter discharged from the body, particularly that which is evacuated through the bowels or urinary tract
43. Eyeless fish _____ in dark caves.
v. to develop gradually, or to cause the development of something or someone gradually
44. Foreign goods from abroad must be _____ to customs when entering a country.
v. to say, state, or announce something clearly, officially, or publicly
45. You can be more _____ and creative in your approach.
adj. able to change or be changed to suit new conditions or situations; able to bend easily
46. 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
47. I need to _____ this document before I send it.
v. to make or be an exact copy of something; to reproduce something

ANSWERS: 40. resident, 41. jeopardize, 42. excrement, 43. evolved, 44. declared, 45. flexible, 46. resistance, 47. duplicate

48. These _____ are more prevalent above a certain latitude.
n. any small creature that has six legs and a body divided into three sections
49. The _____ declared its independence and became a republic.
n. a country or an area that is governed by a more powerful country that is often far away
50. Tech companies often employ _____ ducts and other materials in their office interiors.
adj. having no protection or shield from something, such as bad weather, attack, or criticism
51. She is a _____ person and has always bounced back from setbacks.
adj. able to withstand or recover quickly from difficult conditions
52. We can resolve support requests quickly and _____ by utilization of AI.
adv. in a way that produces maximum output with minimum effort or expense
53. The European Central Bank is Europe's _____ of the Federal Reserve.
n. having the same value, quality, meaning, purpose, etc.
54. They cooperated for their _____ benefit.
adj. common to or shared by two or more parties
55. These descriptions are based on a number of _____ assumptions.
adj. amounting to a large indefinite number
56. The unemployment rate in the first _____ was 2.3 percentage points higher than in the previous.
n. one of four equal parts; a fourth part or portion

ANSWERS: 48. insects, 49. colony, 50. exposed, 51. resilient, 52. efficiently, 53. equivalent, 54. mutual, 55. numerous, 56. quarter

57. Can you help me _____ these groceries to the car?

- v.* to carry or transport something, especially by hand or with some effort; to haul or convey something from one place to another

58. By dividing and creating copies of themselves, bacteria _____.

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

59. The city is upgrading its _____ system to prevent flooding during heavy rain.

- n.* an underground system of pipes used to carry away sewage and wastewater

60. My father is _____ in his thinking.

- adj.* of or relating to a time in the past; not modern

61. 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

62. The plant's leaves contain a deadly _____ that can cause hallucinations and seizures.

- n.* a substance that can cause illness, injury, or death when ingested, inhaled, or absorbed through the skin; something harmful, malicious, or toxic; the act of damaging or ruining a relationship; (verb) to introduce a substance into something or someone harmful and potentially deadly

63. International law allows each nation to _____ itself when its rights and interests are illegally violated.

- v.* to protect someone or something from attack, criticism, danger, etc.

64. He claims that his legitimate requests were _____ ignored.

- adv.* again and again; many times

ANSWERS: 57. tote, 58. reproduce, 59. sewer, 60. old-fashioned, 61. genetic, 62. poison, 63. defend, 64. repeatedly

65. The general was still reluctant to _____ his troops in pursuit of an enemy.
v. to suddenly release a strong force, emotion, etc. that cannot be controlled
66. Vaccination is an effective way to build _____ against diseases.
n. the ability of an organism to resist infection or disease, often due to the presence of antibodies
67. A famous artist painted the room in a _____ pink hue.
adj. not readily apparent or visible
68. Many companies are now enthusiastically embracing the knowledge of _____ for sustainable development.
n. the study of the relationships between living organisms, including humans, and their physical environment
69. There was a _____ in her speech.
n. the act of pausing or being slow before saying or doing something, especially because you feel uncertain or nervous
70. The shape of the DNA _____ is a double helix.
n. a group of two or more atoms held together by attractive forces known as chemical bonds
71. The robber _____ a knife and demanded money from the store clerk.
v. to wave or display something, typically a weapon, in a threatening or aggressive manner; to exhibit something with pride or enthusiasm
72. The _____ at the hotel had a wide variety of food options.
n. a meal where guests serve themselves from a counter or sideboard

ANSWERS: 65. unleash, 66. immunity, 67. subtle, 68. ecology, 69. hesitation, 70. molecule, 71. brandished, 72. buffet

73. _____ programs can help eliminate harmful substances and improve overall health.
- n.* the process of removing harmful or toxic substances from the body; the process of eliminating or reducing the harmful effects of something
74. 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
75. The _____ response team worked around the clock to aid those affected by the earthquake.
- n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
76. The company's rules _____ the employee's working hours.
- v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
77. The _____ smell coming from the dumpster was unbearable.
- adj.* highly offensive, unpleasant, or objectionable; morally reprehensible or wicked; characterized by cruelty or violence
78. The medical team used an _____ solution to clean the surgical instruments.
- adj.* having the ability to prevent or combat the growth of microorganisms, particularly bacteria and fungi
79. _____ 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

ANSWERS: 73. Detoxification, 74. recycle, 75. disaster, 76. bind, 77. vile, 78. antimicrobial, 79. Bacteria

80. The _____ landscape of burnt-out villages and bombed-out ruins spread out before them.

adj. describing severe damage and destruction in past or future events, or the end of the world

81. A smaller car will _____ less fuel.

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

82. The firm has grown into a large _____ manufacturing.

adj. relating to or connected with chemistry;

83. The farmer sprayed the crop with _____ to protect it from pests.

n. a substance used to kill insects

84. The jury must _____ a decision on this complex case.

v. to bring someone or something into a particular state; to provide something such as service, help, etc.

85. A nutritious diet improves _____ functions.

adj. relating to or capable of causing or promoting digestion of food

86. These economic activities had disastrous environmental _____.

n. the outcome of a particular action or event, especially relative to an individual

87. The king ordered the _____ of the troublemaker from the kingdom.

n. the act of expelling or forcing someone to leave a particular place or social group as a form of punishment, often for political or legal reasons

88. Children often _____ parents with this head cold.

v. to affect a person, an animal, or a plant with a disease-causing organism

ANSWERS: 80. apocalyptic, 81. consume, 82. chemical, 83. insecticide, 84. render, 85. digestive, 86. consequences, 87. banishment, 88. infect

89. The two sides argued their points, but the judge ultimately sided with the _____ viewpoint.
n. acting in opposition to what is expected or desired
90. My mother always made sure she had a _____ breakfast before school.
adj. providing the necessary nutrients or sustenance to support health and growth
91. Sharks have highly developed _____ systems and are extremely sensitive creatures.
adj. of or relating to the physical senses
92. _____ sometimes cause allergic reactions in humans.
n. a flat, brown or black, chiefly nocturnal insects sometimes found in the home
93. The company's _____ approach has been highly effective.
n. the action or process of changing to suit different conditions
94. The body _____ excess salt through urine to maintain proper electrolyte balance.
v. to discharge waste matter, such as urine or feces, from the body or a cell or gland
95. The study of Escherichia _____ has led to important advancements in areas such as antibiotic resistance, gut microbiome, and synthetic biology.
n. a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry
96. The construction company _____ the building with an earthquake-resistant device.
v. to provide a person or a place with the things that are needed for a particular purpose or activity

ANSWERS: 89. contrary, 90. nourishing, 91. sensory, 92. Cockroaches, 93. adaptation, 94. excretes, 95. coli, 96. equipped

97. Trial and error is an _____ part of education.

adj. indispensable; fundamental

98. His estate was _____ to his sons.

v. to give something to a large number of individuals, or to spread or furnish something

99. The casino _____ her room and meals for being a high-rolling gambler.

v. short for "compensate," meaning to give goods or services to someone without asking for payment

100. The body needs a certain amount of _____ to build and repair tissues.

n. a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues

101. She was known for her _____ attitude toward different cultures.

adj. accepting different views, beliefs, or practices without judgment or interference

102. Top athletes can _____ 100 meters in less than 10 seconds.

v. to run at full speed over a short distance or period of time

103. 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.

104. You'll need some solid _____ to repair that chair.

n. a sticky substance used to hold things together

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

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

ANSWERS: 97. essential, 98. distributed, 99. comped, 100. protein, 101. tolerant, 102. sprint, 103. gene, 104. adhesive, 105. adapt

106. _____ gas is used to inflate car tires because it does not react with rubber.
n. a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins
107. Her company was _____ affected by the bank's failure.
adv. very badly or seriously
108. The _____ of the statue caused much controversy in the community.
n. the act of taking something away or off from a particular place
109. 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
110. The vaccination does not necessarily make you completely _____.
adj. protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
111. She felt sick and had to run to the bathroom to _____.
v. to eject food, blood, etc., from the stomach through the mouth; (noun) the matter ejected from the stomach through the mouth
112. Most people thought of him as a _____ eccentric.
adj. not able or not likely to cause damage or harm
113. A deficiency in the _____ can lead to a medical condition.
n. a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction

ANSWERS: 106. Nitrogen, 107. severely, 108. removal, 109. resistant, 110. immune, 111. vomit, 112. harmless, 113. enzyme

114. The artist used a _____ paint can to create a graffiti mural on the wall.

- n.* a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage

115. The sponge _____ water well.

- v.* to take in a fluid or other substance gradually

ANSWERS: 114. spray, 115. absorbs