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Vocabulary Builder Reference from...

Janet Iwasa: The wonders of the molecular world, animated | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

awe-inspiring

adj. making you feel great respect or admiration through being impressive or formidable

synonym: magnificent, amazing, astonishing

(1) **awe-inspiring** painting, (2) **awe-inspiring** power

The moment the glacier collapses is an **awe-inspiring** sight.

landscape

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

synonym: geography, terrain, topography

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

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

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.

overwhelm

v. to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody

synonym : conquer, crush, dominate

(1) he was **overwhelmed** with gratitude, (2) **overwhelm** opponents by numbers

Too much variety may **overwhelm** and confuse viewers.

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.

fascinate

v. to attract and hold the attention of someone deeply and irresistibly

synonym : captivate, intrigue, mesmerize

(1) **fascinate** the public, (2) **fascinate** the young

The magic tricks **fascinated** the children.

alien

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

synonym : foreigner, unfamiliar, unknown

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

Alien species have drastically altered the ecosystem in this area.

observe

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

synonym : watch, monitor, scrutinize

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

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

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.

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.

animate

v. to make something full of interest and energy

synonym : invigorate, energize, enliven

(1) **animate** the body, (2) **animate** his soul

The positive attitude of the supervisor **animated** the discussion.

visualize

v. to form a mental image or concept of something; to make something visible

synonym : imagine, picture, envision

(1) **visualize** data, (2) **visualize** flying through space

She tried to **visualize** the layout of the new house in her mind.

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.

essentially

adv. relating to the essential features or concepts of anything

synonym : fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same

Essentially, a society is an organism.

invisible

adj. impossible or nearly impossible to see

synonym : hidden, imperceptible, unseen

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

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

wavelength

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

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

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

microscope

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

synonym: lens, magnifier, eyepiece

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

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

collaborate

v. to work with someone else to produce or achieve something

synonym: cooperate, unite, get together

(1) **collaborate** with the police, (2) **collaborate** on a press release

She agreed to **collaborate** with him in creating new artwork.

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.

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.

puzzle

n. a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

synonym: plight, maze, (verb) perplex

(1) crossword **puzzle**, (2) mathematical **puzzle**

This jigsaw **puzzle** is challenging because there are no pictures.

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.

interact

v. to communicate or react with somebody

synonym: cooperate, combine, collaborate

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

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

hypothesis

n. a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate

synonym: assumption, conjecture, theory

(1) test my **hypothesis**, (2) a bold **hypothesis**

This evidence supports the big-bang **hypothesis**.

animation

n. the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave

synonym: motion, movement, liveliness

(1) **animation** studio, (2) **animation** film

The **animation** of the characters in the movie was so realistic, and it was as if they were there.

tricky

adj. requiring care and skill because challenging to do or deal with

synonym : thorny, problematic, crafty

(1) **tricky** problem, (2) a **tricky** recipe to follow

We have discussed the entirety of this **tricky** problem.

crazy

adj. stupid or not sensible; very angry

synonym : insane, absurd, bizarre

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

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

incredibly

adv. in a way that is very difficult to believe; exceedingly or extremely

synonym : enormously, exceptionally, extraordinarily

(1) **incredibly** cheerful character, (2) get **incredibly** insecure

Several cities are experiencing **incredibly** high unemployment rates.

communicate

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

synonym : convey, share, transmit

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

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

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

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**.

crawl

v. to move forward slowly, as people or animals with their bodies near the ground

synonym : creep, drag

(1) **crawl** across the floor, (2) **crawl** away from a car

Along the gravel roads, sizeable yellow school buses **crawl**.

invade

v. to enter aggressively into another's territory by military force for conquest and occupation

synonym : intrude, raid, overrun

(1) **invade** other tissues, (2) **invade** his privacy

I have no intention to **invade** your privacy.

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**.

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.

movement

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

synonym : motion, progression, action

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

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

actin

n. a protein found in muscle tissue that is involved in muscle contraction and movement

synonym: protein, molecule, filament

(1) **actin** protein, (2) **actin** polymerization

The **actin** filaments are responsible for maintaining cell shape and movement.

cytoskeleton

n. a network of protein fibers and filaments that give shape and structural support to cells, as well as play a role in cell division, movement, and communication

synonym: cell framework, microfilament, microtubule

(1) **cytoskeleton** assembly, (2) microtubule **cytoskeleton**

The **cytoskeleton-provided** structure within a cell is critical for maintaining cellular integrity and shape.

skeleton

n. the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant

synonym: bones, frame, structure

(1) the steel **skeleton** of a building, (2) **skeleton** hand

Scientists studied the ancient **skeleton** to learn more about the creature's anatomy.

filament

n. a thin wire or thread, especially one used to produce light in an electric bulb

synonym: fiber, thread, filament

(1) **filament** lamp, (2) carbon **filament**

The **filament** in the light bulb burned out, and now it's not working.

constantly

adv. all the time

synonym: continuously, always, frequently

(1) a **constantly** innovative enterprise, (2) a **constantly**

varying mind

The mobile application industry is **constantly** changing.

adhere

v. to stick firmly; to be compatible

synonym: comply, stick, cling

(1) **adhere** to their plan, (2) **adhere** rigidly to the rules

Administrators must **adhere** to the highest standards.

gobble

v. to eat or swallow something hurriedly, noisily, and greedily; to make the sound of a male turkey

synonym: devour, gulp, swallow

(1) **gobble** down food, (2) **gobble** up the competition

I always **gobble** my breakfast quickly because I'm usually in a rush.

involve

v. to include or affect someone or something as a necessary part of something else

synonym: implicate, include, engage

(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk

The investigation **involves** several government agencies and is expected to take several months.

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.

fabric

n. cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.

synonym: cloth, material, goods

(1) a hand-loomed **fabric**, (2) **fabric** of creation

These synthetic **fabrics** are used in military vests because of their excellent abrasion resistance.

contract

n. a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law

synonym: agreement, deal, arrangement

(1) employment **contract**, (2) **contract** law

The company signed a **contract** with the supplier for the delivery of goods.

relax

v. to become or cause someone to become less active or tense and calmer

synonym: soften, comfort, soothe

(1) **relax** a series of muscles, (2) **relax** at home

The rules were **relaxed** after the new executive arrived.

tubule

n. a small, tube-like structure; a minute duct or canal in a plant or animal body

synonym: tube, canal, duct

(1) **tubule** structure, (2) renal **tubule**

The kidney comprises tiny **tubules** that filter waste from the bloodstream.

responsible

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

synonym: accountable, answerable, liable

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

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

long-range

adj. relating to or extending over a long distance, period of time, or range of possibilities

synonym: far-reaching, extended, distant

(1) **long-range** radar, (2) **long-range** weather forecast
The military uses **long-range** missiles to hit targets from far away.

transport

n. a system for moving people or products from one location to another using automobiles, roads, and so on
synonym: shipment, transit, conveyance

(1) **transport** facilities, (2) access to public **transport**
Enhanced rail **transportation** is crucial for our business.

cellular

adj. of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires

synonym: organic, biological, nuclear

(1) **cellular** and molecular biology, (2) a **cellular** phone handset

This factory employs a **cellular** manufacturing system.

highway

n. a main road, especially one connecting major towns or cities

synonym: road, expressway, freeway

(1) **highway** system, (2) an interstate **highway**

I'm going to take the **highway** to get to my destination faster.

shrink

v. to become smaller, or to make something smaller in size or amount

synonym: decrease, diminish, shy away

(1) **shrink** the tumor, (2) **shrink** with fear

This shirt will **shrink** in the wash.

disappear

v. to cease to exist or be visible

synonym: fade, evaporate, vanish

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

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

aptly

adv. in a way that is appropriate or fitting; in a way that demonstrates understanding or intelligence

synonym: appropriately, fittingly, properly

(1) **aptly** named, (2) **aptly** timed

She **aptly** described the complex scientific concept in simple terms everyone could understand.

motor

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

synonym: actuator, engine, machine

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

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

drag

v. to pull or haul with force

synonym: haul, pull, draw

(1) **drag** a chair over, (2) **drag** a team down

He **dragged** the heavy suitcase behind him as he walked.

cargo

n. the goods carried by ship, aircraft, or other vehicles

synonym: shipment, freight, burden

(1) plenty of **cargo** space, (2) unload the **cargo**

During the war, many **cargo** ships were converted into battleships.

organelle

n. a specialized subunit, usually within a cell, that has a specific function

(1) cellular **organelles**, (2) **organelle** protein

Membranes bind these **organelles** together.

dynein

n. a type of motor protein that moves along microtubules in cells, playing a key role in various cellular processes such as intracellular transport, mitosis, and ciliary and flagellar movement

synonym: motor protein, microtubule

(1) **dynein** motor, (2) cytoplasmic **dynein**

Inhibition of **dynein** activity has been proposed as a potential therapeutic target for cancer treatment.

chariot

n. a two-wheeled horse-drawn battle vehicle used in ancient Egypt, Greece, and Rome for warfare and racing

(1) **chariot** builder, (2) **chariot** race

The ancient Romans enjoyed spectating **chariot** races.

dynamic

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

synonym: energetic, active, vital

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

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

assemble

v. to collect in one place as a single group

synonym: gather, congregate, collect

(1) **assemble** your colleagues, (2) **assemble** a jigsaw puzzle

The president began to **assemble** an army.

rip

v. to tear something or be torn violently or suddenly

synonym: tear, cut, slit

(1) **rip** a notebook apart, (2) **rip** a hole in the roof

During transit, the stuff may **rip** off the luggage tag.

individual

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

synonym: person, being, self

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

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

prop

n. a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something

synonym: support, buttress, column

(1) emotional **prop**, (2) **prop** stick

We have finally lost our last **prop**.

suppose

v. to think that something is likely to be actual or possible
synonym : guess, assume, presume

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

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

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.

aggregate

n. a collection or sum of different things often used to describe a total or combination of items

synonym : total, sum, whole

(1) data **aggregate**, (2) an **aggregate** of people

The **aggregate** amount of money raised for the charity was over a million dollars.

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.

Alzheimer

n. a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults

synonym : dementia, memory loss, cognitive decline

(1) **Alzheimer's** brain, (2) **Alzheimer's** risk factors

My grandmother has **Alzheimer's** disease requires special care and attention from her caregivers.

nucleus

n. the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom

synonym : core, heart, middle

(1) form a **nucleus**, (2) the **nucleus** of a team

DNA is stored in the **nucleus** of a cell.

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.

maintain

v. to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

synonym : preserve, uphold, sustain

(1) **maintain** order, (2) **maintain** good health

I need to **maintain** my car regularly to prevent any major mechanical issues.

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.

histone

n. a type of protein molecule that is responsible for packing and organizing DNA into a compact structure called chromatin within the nucleus of cells

synonym : DNA packaging protein, nucleoprotein

(1) **histone** modification, (2) **histone** deacetylase

The DNA molecule wraps around the **histone** proteins to form a nucleosome.

chromatin

n. a complex of DNA and protein found in eukaryotic cells, which primary function is to compact the DNA to fit within the confines of the cell's nucleus

synonym : genetic material, DNA packaging

(1) **chromatin** condensation, (2) **chromatin** structure

Chromatin-remodeling proteins play a crucial role in the accessibility of DNA to the transcription machinery, thereby influencing gene expression.

remodel

v. to change the structure or form of something

synonym : refurbish, remake, revamp

(1) **remodel** the car, (2) **remodel** portfolio

We are **remodeling** these rooms now.

scoot

v. to move or glide along quickly and smoothly on a surface, especially on a scooter or similar device

synonym : glide, slide, scurry

(1) **scoot** out of my room, (2) **scoot** over

I have to **scoot** over to the next desk because there's not enough room for me to sit comfortably.

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.

recognize

v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

synonym : acknowledge, identify, admit

(1) **recognize** talent, (2) **recognize** achievement

It's important to **recognize** your strengths and weaknesses.

machinery

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

structure for doing something

synonym: apparatus, appliance, equipment

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

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

segment

n. a part or section of something; a distinct group within a larger whole

synonym: section, part, division

(1) **segment** analysis, (2) market **segment**

The report divided the data into **segments** based on age, gender, and income level.

undergo

v. to go through something unpleasant or that involves a change

synonym: experience, suffer, endure

(1) **undergo** surgery, (2) **undergo** a decrease

The train has to **undergo** rigorous safety checks.

transcribe

v. to copy or reproduce something in written or printed form; to translate spoken language into written text

synonym: copy, record, transliterate

(1) **transcribe** notes, (2) **transcribe** documents

She needs to **transcribe** the interview recording to write the article for the magazine.

tight

adj. fixed, fastened, or kept together firmly or closely

synonym: closed, secured, cramped

(1) a **tight** game, (2) student on a **tight** budget

The national election was held amid **tight** security.

regulate

v. to control something, especially by means of rules or laws

synonym: control, restrain, handle

(1) **regulate** blood sugar levels, (2) **regulate** our conduct

We must manage to **regulate** our expenditure.

disastrous

adj. extremely bad, harmful, or unsuccessful

synonym : catastrophic, destructive, fatal

(1) have **disastrous** consequences, (2) absolutely **disastrous** effect

The emission of hazardous substances has **disastrous** effects on the ecology of a region.

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**.

edit

v. to prepare written material for publication by correcting, condensing, or otherwise modifying it

synonym : revise, modify, adjust

(1) **edit** a history book, (2) **edit** a video

I need to **edit** this document before submitting it to my boss.

advantage

n. a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

synonym : benefit, edge, asset

(1) score an **advantage**, (2) take **advantage** of his weak points

One of the main **advantages** of the new product is its increased efficiency.

engineer

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

synonym : architect, creator, builder

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

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

specific

adj. clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

synonym : particular, definite, distinct

(1) **specific** instructions, (2) industry- **specific** regulations

The scientist conducted a study that provided **specific** details about the species' behavior.

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.

excise

n. a tax or duty that is levied on certain goods, commodities, or activities, often to raise revenue for the government; (verb) to remove or cut out

synonym : levy, tax, duty

(1) **excise** tax, (2) **excise** invoice

The government imposed an **excise** on tobacco products to discourage smoking.

problematic

adj. full of difficulties; difficult to deal with or solve

synonym : inappropriate, inconvenient, worrisome

(1) a **problematic** situation, (2) seems to be highly **problematic**

Direct democracy is effective in quickly resolving **problematic** situations within a community.

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.

visual

adj. relating to seeing or sight

synonym : optical, graphical, visible

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

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

uncertain

adj. not being sure of something; not being able to choose

synonym : doubtful, skeptical, pending

(1) numerous **uncertain** factors, (2) take an **uncertain** attitude

She was **uncertain** about her friend's intentions.

represent

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

synonym : depict, express, describe

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

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

vast

adj. enormous in size, number, amount, or quantity

synonym : expansive, extended, boundless

(1) **vast** majority, (2) **vast** desert

A **vast** audience viewed the broadcast.

largely

adv. virtually entirely; to a large degree

synonym : mainly, chiefly, broadly

(1) **largely** accepted, (2) **largely** mitigate the issue

Nevada is **largely** a desert state.

unexplored

adj. not yet examined, investigated, or studied; lacking in knowledge or information; unknown or undiscovered

synonym : uncharted, undiscovered, untapped

(1) **unexplored** ideas, (2) **unexplored** cave

There are many **unexplored** regions of the ocean that scientists hope to study soon.

exciting

adj. causing a lot of interest or excitement

synonym : exhilarating, stimulating, thrilling

(1) **exciting** football player, (2) **exciting** news

The findings of the experiment were both **exciting** and unexpected.

explore

v. to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

synonym : analyze, delve into, examine

(1) **explore** the world, (2) **explore** our options

The management must **explore** strategies to increase office security.

visible

adj. capable of being seen; or open to easy view

synonym : clear, observable, seeable

(1) **visible** stars, (2) **visible** by X-ray

My home is easily **visible** from the shore.

Session 2: Spelling

1. a dy_____c market
adj. having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
2. heavy ma_____ry
n. a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
3. en_____er shortage
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
4. fa_____te the young
v. to attract and hold the attention of someone deeply and irresistibly
5. cyt_____ton assembly
n. a network of protein fibers and filaments that give shape and structural support to cells, as well as play a role in cell division, movement, and communication
6. di_____e backgrounds
adj. including numerous categories of individuals or entities; various
7. 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: 1. dynamic, 2. machinery, 3. engineer, 4. fascinate, 5. cytoskeleton, 6. diverse, 7. process

8. 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
9. Al_____er's risk factors *n.* a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
10. a peaceful la_____pe *n.* an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance
11. ess_____ly correct *adv.* relating to the essential features or concepts of anything
12. re_____nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
13. seems to be highly pro_____ic *adj.* full of difficulties; difficult to deal with or solve
14. ex_____ng football player *adj.* causing a lot of interest or excitement
15. vi_____ze flying through space *v.* to form a mental image or concept of something; to make something visible
16. have dis_____us consequences *adj.* extremely bad, harmful, or unsuccessful
17. fa_____te the public *v.* to attract and hold the attention of someone deeply and irresistibly
18. in_____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else

ANSWERS: 8. planet, 9. Alzheimer, 10. landscape, 11. essentially, 12. represent, 13. problematic, 14. exciting, 15. visualize, 16. disastrous, 17. fascinate, 18. involve

19. dy___n motor *n.* a type of motor protein that moves along microtubules in cells, playing a key role in various cellular processes such as intracellular transport, mitosis, and ciliary and flagellar movement
20. the pa_____en in the air *n.* a bacterium, virus, or other microorganism that causes disease
21. la_____y accepted *adv.* virtually entirely; to a large degree
22. mic_____pe slide *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
23. d__g a chair over *v.* to pull or haul with force
24. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
25. di_____ar after a week *v.* to cease to exist or be visible
26. crossword pu___e *n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand
27. inc_____ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely
28. he was ov_____lmed with gratitude *v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
29. un_____o a decrease *v.* to go through something unpleasant or that involves a change

ANSWERS: 19. dynein, 20. pathogen, 21. largely, 22. microscope, 23. drag, 24. motor, 25. disappear, 26. puzzle, 27. incredibly, 28. overwhelm, 29. undergo

30. inactive ma_____ry *n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
31. an_____e his soul *v.* to make something full of interest and energy
32. become ess_____ly same *adv.* relating to the essential features or concepts of anything
33. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
34. in_____le stars *adj.* impossible or nearly impossible to see
35. re_____ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
36. absolutely dis_____us effect *adj.* extremely bad, harmful, or unsuccessful
37. employment co_____ct *n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
38. a person of di_____e talents *adj.* including numerous categories of individuals or entities; various
39. 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
40. in_____ct with one another *v.* to communicate or react with somebody

ANSWERS: 30. machinery, 31. animate, 32. essentially, 33. biology, 34. invisible, 35. recognize, 36. disastrous, 37. contract, 38. diverse, 39. structure, 40. interact

41. su____e beforehand *v.* to think that something is likely to be actual or possible
42. small mo____les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
43. la____y mitigate the issue *adv.* virtually entirely; to a large degree
44. co____ct law *n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
45. re____l the car *v.* to change the structure or form of something
46. sk____on hand *n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
47. 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
48. series of exp____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
49. an interstate hi____y *n.* a main road, especially one connecting major towns or cities
50. the se____ce of the seasons *n.* a series of related events, actions, numbers, etc., which have a particular order

ANSWERS: 41. suppose, 42. molecule, 43. largely, 44. contract, 45. remodel, 46. skeleton, 47. process, 48. experiment, 49. highway, 50. sequence

51. ex____e our options *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
52. renal tu____e *n.* a small, tube-like structure; a minute duct or canal in a plant or animal body
53. take an un_____in attitude *adj.* not being sure of something; not being able to choose
54. in_____ct directly with customers *v.* to communicate or react with somebody
55. e__t a history book *v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
56. 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
57. student on a ti__t budget *adj.* fixed, fastened, or kept together firmly or closely
58. a ti__t game *adj.* fixed, fastened, or kept together firmly or closely
59. the nu_____s of a team *n.* the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom
60. v__t majority *adj.* enormous in size, number, amount, or quantity

ANSWERS: 51. explore, 52. tubule, 53. uncertain, 54. interact, 55. edit, 56. bacteria, 57. tight, 58. tight, 59. nucleus, 60. vast

61. the DNA se_____ce
n. a series of related events, actions, numbers, etc., which have a particular order
62. re__x a series of muscles
v. to become or cause someone to become less active or tense and calmer
63. awe_____ing power
adj. making you feel great respect or admiration through being impressive or formidable
64. com_____te well with my advisor
v. to share or exchange information with others by speaking, writing, moving your body, or using other signals
65. market se_____t
n. a part or section of something; a distinct group within a larger whole
66. 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
67. ch_____t race
n. a two-wheeled horse-drawn battle vehicle used in ancient Egypt, Greece, and Rome for warfare and racing
68. a con_____ly varying mind
adv. all the time
69. Al_____er's brain
n. a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
70. ind_____al freedom
n. a single person or thing, as distinct from a group

ANSWERS: 61. sequence, 62. relax, 63. awe-inspiring, 64. communicate, 65. segment, 66. bacteria, 67. chariot, 68. constantly, 69. Alzheimer, 70. individual

71. al__n fungi *n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
72. emotional p__p *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
73. go___e down food *v.* to eat or swallow something hurriedly, noisily, and greedily; to make the sound of a male turkey
74. hi____y system *n.* a main road, especially one connecting major towns or cities
75. une_____ed cave *adj.* not yet examined, investigated, or studied; lacking in knowledge or information; unknown or undiscovered
76. lon_____ge weather forecast *adj.* relating to or extending over a long distance, period of time, or range of possibilities
77. re__x at home *v.* to become or cause someone to become less active or tense and calmer
78. field of vi___l arts *adj.* relating to seeing or sight
79. 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
80. fa___c of creation *n.* cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.

ANSWERS: 71. alien, 72. prop, 73. gobble, 74. highway, 75. unexplored, 76. long-range, 77. relax, 78. visual, 79. protein, 80. fabric

81. 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
82. ex____d to radiation
- adj.* having no protection or shield from something, such as bad weather, attack, or criticism
83. plant pa____en
- n.* a bacterium, virus, or other microorganism that causes disease
84. col_____te with the police
- v.* to work with someone else to produce or achieve something
85. 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
86. lon_____ge radar
- adj.* relating to or extending over a long distance, period of time, or range of possibilities
87. cytoplasmic dy___n
- n.* a type of motor protein that moves along microtubules in cells, playing a key role in various cellular processes such as intracellular transport, mitosis, and ciliary and flagellar movement
88. sh___k the tumor
- v.* to become smaller, or to make something smaller in size or amount
89. 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)

ANSWERS: 81. stick, 82. exposed, 83. pathogen, 84. collaborate, 85. planet, 86. long-range, 87. dynein, 88. shrink, 89. molecular

90. ma_____in good health *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
91. tra_____be notes *v.* to copy or reproduce something in written or printed form; to translate spoken language into written text
92. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
93. sp_____ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
94. vi_____ze data *v.* to form a mental image or concept of something; to make something visible
95. tr___y problem *adj.* requiring care and skill because challenging to do or deal with
96. re_____l portfolio *v.* to change the structure or form of something
97. a hand-loomed fa___c *n.* cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.
98. res_____le action *adj.* answerable or accountable for something within one's power, control, or management
99. ex___e tax *n.* a tax or duty that is levied on certain goods, commodities, or activities, often to raise revenue for the government; (verb) to remove or cut out
100. plenty of ca__o space *n.* the goods carried by ship, aircraft, or other vehicles

ANSWERS: 90. maintain, 91. transcribe, 92. experiment, 93. specific, 94. visualize, 95. tricky, 96. remodel, 97. fabric, 98. responsible, 99. excise, 100. cargo

101. a ce_____ar phone handset *adj.* of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires
102. an ex_____d rock *adj.* having no protection or shield from something, such as bad weather, attack, or criticism
103. tr_____rt facilities *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
104. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
105. cellular or_____les *n.* a specialized subunit, usually within a cell, that has a specific function
106. r_p a hole in the roof *v.* to tear something or be torn violently or suddenly
107. ch_____t builder *n.* a two-wheeled horse-drawn battle vehicle used in ancient Egypt, Greece, and Rome for warfare and racing
108. an_____on film *n.* the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave
109. se_____t analysis *n.* a part or section of something; a distinct group within a larger whole
110. numerous un_____in factors *adj.* not being sure of something; not being able to choose

ANSWERS: 101. cellular, 102. exposed, 103. transport, 104. amazing, 105. organelle, 106. rip, 107. chariot, 108. animation, 109. segment, 110. uncertain

111. ex___e invoice *n.* a tax or duty that is levied on certain goods, commodities, or activities, often to raise revenue for the government; (verb) to remove or cut out
112. p__p stick *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
113. sh___k with fear *v.* to become smaller, or to make something smaller in size or amount
114. ob_____e a tradition *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
115. ad___e to their plan *v.* to stick firmly; to be compatible
116. vi_____e stars *adj.* capable of being seen; or open to easy view
117. long-wav_____th laser *n.* the distance between two points in the same phase in consecutive cycles of a wave
118. tu___e structure *n.* a small, tube-like structure; a minute duct or canal in a plant or animal body
119. cr__y about cars and racing *adj.* stupid or not sensible; very angry
120. 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

ANSWERS: 111. excise, 112. prop, 113. shrink, 114. observe, 115. adhere, 116. visible, 117. wavelength, 118. tubule, 119. crazy, 120. disease

121. cr__l away from a car *v.* to move forward slowly, as people or animals with their bodies near the ground
122. the most am____g feeling *adj.* extremely surprising, especially in a way that you like or admire
123. vi___l navigation *adj.* relating to seeing or sight
124. ad___e rigidly to the rules *v.* to stick firmly; to be compatible
125. sc__t out of my room *v.* to move or glide along quickly and smoothly on a surface, especially on a scooter or similar device
126. unload the ca__o *n.* the goods carried by ship, aircraft, or other vehicles
127. electron mic____pe *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
128. in___e his privacy *v.* to enter aggressively into another's territory by military force for conquest and occupation
129. a con_____ly innovative enterprise *adv.* all the time
130. test my hyp_____is *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
131. une_____ed ideas *adj.* not yet examined, investigated, or studied; lacking in knowledge or information; unknown or undiscovered
132. epoxy g__e *n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials

ANSWERS: 121. crawl, 122. amazing, 123. visual, 124. adhere, 125. scoot, 126. cargo, 127. microscope, 128. invade, 129. constantly, 130. hypothesis, 131. unexplored, 132. glue

133. an ag_____te of people *n.* a collection or sum of different things often used to describe a total or combination of items
134. hi_____e deacetylase *n.* a type of protein molecule that is responsible for packing and organizing DNA into a compact structure called chromatin within the nucleus of cells
135. res_____le for a customer service *adj.* answerable or accountable for something within one's power, control, or management
136. v__t desert *adj.* enormous in size, number, amount, or quantity
137. get inc_____ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely
138. the con_____ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual
139. the characters that re_____nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
140. microtubule cyt_____ton *n.* a network of protein fibers and filaments that give shape and structural support to cells, as well as play a role in cell division, movement, and communication
141. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
142. 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: 133. aggregate, 134. histone, 135. responsible, 136. vast, 137. incredibly, 138. consequence, 139. represent, 140. cytoskeleton, 141. biology, 142. protein

143. ex_____ng news *adj.* causing a lot of interest or excitement
144. dy_____c person *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
145. sequencing of the human ge____e *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
146. ce_____ar and molecular biology *adj.* of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires
147. fi_____nt lamp *n.* a thin wire or thread, especially one used to produce light in an electric bulb
148. ex_____e the world *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
149. ac__n polymerization *n.* a protein found in muscle tissue that is involved in muscle contraction and movement
150. the steel sk_____on of a building *n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
151. 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

ANSWERS: 143. exciting, 144. dynamic, 145. genome, 146. cellular, 147. filament, 148. explore, 149. actin, 150. skeleton, 151. disease

152. g__e stick *n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials
153. com_____te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
154. ge___e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
155. 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
156. DC mo__r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
157. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
158. 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
159. ap__y named *adv.* in a way that is appropriate or fitting; in a way that demonstrates understanding or intelligence
160. cr__l across the floor *v.* to move forward slowly, as people or animals with their bodies near the ground

ANSWERS: 152. glue, 153. communicate, 154. genome, 155. immune, 156. motor, 157. engineer, 158. immune, 159. aptly, 160. crawl

161. su_____e you're right *v.* to think that something is likely to be actual or possible
162. awe_____ing painting *adj.* making you feel great respect or admiration through being impressive or formidable
163. industry-sp_____ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
164. re_____ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
165. an_____on studio *n.* the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave
166. 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
167. ov_____lm opponents by numbers *v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
168. form a nu_____s *n.* the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom

ANSWERS: 161. suppose, 162. awe-inspiring, 163. specific, 164. recognize, 165. animation, 166. structure, 167. overwhelm, 168. nucleus

169. di_____ar without a trace *v.* to cease to exist or be visible
170. an in_____le asset *adj.* impossible or nearly impossible to see
171. a circular mo_____nt *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
172. mo_____le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
173. a bold hyp_____is *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
174. 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
175. access to public tr_____rt *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
176. e__t a video *v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
177. a pro_____ic situation *adj.* full of difficulties; difficult to deal with or solve
178. ac__n protein *n.* a protein found in muscle tissue that is involved in muscle contraction and movement

ANSWERS: 169. disappear, 170. invisible, 171. movement, 172. molecule, 173. hypothesis, 174. stick, 175. transport, 176. edit, 177. problematic, 178. actin

179. ch_____in structure *n.* a complex of DNA and protein found in eukaryotic cells, which primary function is to compact the DNA to fit within the confines of the cell's nucleus
180. ob_____e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
181. 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)
182. re_____te blood sugar levels *v.* to control something, especially by means of rules or laws
183. d__g a team down *v.* to pull or haul with force
184. take ad_____ge of his weak points *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
185. go___e up the competition *v.* to eat or swallow something hurriedly, noisily, and greedily; to make the sound of a male turkey
186. mathematical pu___e *n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

ANSWERS: 179. chromatin, 180. observe, 181. molecular, 182. regulate, 183. drag, 184. advantage, 185. gobble, 186. puzzle

187. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
188. un_____o surgery *v.* to go through something unpleasant or that involves a change
189. tra_____be documents *v.* to copy or reproduce something in written or printed form; to translate spoken language into written text
190. in_____e other tissues *v.* to enter aggressively into another's territory by military force for conquest and occupation
191. ch_____in condensation *n.* a complex of DNA and protein found in eukaryotic cells, which primary function is to compact the DNA to fit within the confines of the cell's nucleus
192. col_____te on a press release *v.* to work with someone else to produce or achieve something
193. carbon fi_____nt *n.* a thin wire or thread, especially one used to produce light in an electric bulb
194. score an ad_____ge *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
195. sc__t over *v.* to move or glide along quickly and smoothly on a surface, especially on a scooter or similar device
196. data ag_____te *n.* a collection or sum of different things often used to describe a total or combination of items

ANSWERS: 187. involve, 188. undergo, 189. transcribe, 190. invade, 191. chromatin, 192. collaborate, 193. filament, 194. advantage, 195. scoot, 196. aggregate

197. r_p a notebook apart *v.* to tear something or be torn violently or suddenly
198. or_____le protein *n.* a specialized subunit, usually within a cell, that has a specific function
199. mo_____nt of troops *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
200. a cr__y scheme *adj.* stupid or not sensible; very angry
201. as_____le your colleagues *v.* to collect in one place as a single group
202. a private ind_____al *n.* a single person or thing, as distinct from a group
203. a tr___y recipe to follow *adj.* requiring care and skill because challenging to do or deal with
204. an_____e the body *v.* to make something full of interest and energy
205. hi_____e modification *n.* a type of protein molecule that is responsible for packing and organizing DNA into a compact structure called chromatin within the nucleus of cells
206. wav_____th of light *n.* the distance between two points in the same phase in consecutive cycles of a wave
207. la_____pe painting *n.* an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance

ANSWERS: 197. rip, 198. organelle, 199. movement, 200. crazy, 201. assemble, 202. individual, 203. tricky, 204. animate, 205. histone, 206. wavelength, 207. landscape

208. ap__y timed *adv.* in a way that is appropriate or fitting; in a way that demonstrates understanding or intelligence
209. unintended con_____ces *n.* the outcome of a particular action or event, especially relative to an individual
210. re_____te our conduct *v.* to control something, especially by means of rules or laws
211. vi_____e by X-ray *adj.* capable of being seen; or open to easy view
212. as_____le a jigsaw puzzle *v.* to collect in one place as a single group
213. resident al__ns *n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
214. ma_____in order *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

ANSWERS: 208. aptly, 209. consequence, 210. regulate, 211. visible, 212. assemble, 213. alien, 214. maintain

Session 3: Fill in the Blanks

1. The findings of the experiment were both _____ and unexpected.
adj. causing a lot of interest or excitement
2. I have no intention to _____ your privacy.
v. to enter aggressively into another's territory by military force for conquest and occupation
3. This jigsaw _____ is challenging because there are no pictures.
n. a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand
4. Inhibition of _____ activity has been proposed as a potential therapeutic target for cancer treatment.
n. a type of motor protein that moves along microtubules in cells, playing a key role in various cellular processes such as intracellular transport, mitosis, and ciliary and flagellar movement
5. The ancient Romans enjoyed spectating _____ races.
n. a two-wheeled horse-drawn battle vehicle used in ancient Egypt, Greece, and Rome for warfare and racing
6. She needs to _____ the interview recording to write the article for the magazine.
v. to copy or reproduce something in written or printed form; to translate spoken language into written text
7. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software

ANSWERS: 1. exciting, 2. invade, 3. puzzle, 4. dynein, 5. chariot, 6. transcribe, 7. engineer

8. This shirt will _____ in the wash.
- v. to become smaller, or to make something smaller in size or amount
9. 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
10. I have to _____ over to the next desk because there's not enough room for me to sit comfortably.
- v. to move or glide along quickly and smoothly on a surface, especially on a scooter or similar device
11. Energy-efficient _____ are needed to maximize the cruising distance of electric vehicles.
- n. a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
12. The government imposed an _____ on tobacco products to discourage smoking.
- n. a tax or duty that is levied on certain goods, commodities, or activities, often to raise revenue for the government; (verb) to remove or cut out
13. mRNA vaccines are approved faster because they do not contain inactivated _____.
- n. a bacterium, virus, or other microorganism that causes disease
14. The _____ of the characters in the movie was so realistic, and it was as if they were there.
- n. the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave

ANSWERS: 8. shrink, 9. disease, 10. scoot, 11. motors, 12. excise, 13. pathogens, 14. animation

15. The rain and thunder are _____ today.

adj. stupid or not sensible; very angry

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

adj. including numerous categories of individuals or entities; various

17. Nevada is _____ a desert state.

adv. virtually entirely; to a large degree

18. They watched the train _____ into the distance.

v. to cease to exist or be visible

19. This evidence supports the big-bang _____.

n. a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate

20. The _____ structure within a cell is critical for maintaining cellular integrity and shape.

n. a network of protein fibers and filaments that give shape and structural support to cells, as well as play a role in cell division, movement, and communication

21. The magic tricks _____ the children.

v. to attract and hold the attention of someone deeply and irresistibly

22. The kidney comprises tiny _____ that filter waste from the bloodstream.

n. a small, tube-like structure; a minute duct or canal in a plant or animal body

23. The emission of hazardous substances has _____ effects on the ecology of a region.

adj. extremely bad, harmful, or unsuccessful

ANSWERS: 15. crazy, 16. diverse, 17. largely, 18. disappear, 19. hypothesis, 20. cytoskeleton-provided, 21. fascinated, 22. tubules, 23. disastrous

24. Administrators must _____ to the highest standards.

v. to stick firmly; to be compatible

25. We are _____ these rooms now.

v. to change the structure or form of something

26. This factory employs a _____ manufacturing system.

adj. of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires

27. The sprinter has a _____ way of running.

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

28. During the war, many _____ ships were converted into battleships.

n. the goods carried by ship, aircraft, or other vehicles

29. Dolphins use sound to _____ with each other.

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

30. The train has to _____ rigorous safety checks.

v. to go through something unpleasant or that involves a change

31. The investigation _____ several government agencies and is expected to take several months.

v. to include or affect someone or something as a necessary part of something else

ANSWERS: 24. adhere, 25. remodeling, 26. cellular, 27. dynamic, 28. cargo, 29. communicate, 30. undergo, 31. involves

32. Recent electoral shocks have shaken the political _____ in Europe.
n. an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance
33. The positive attitude of the supervisor _____ the discussion.
v. to make something full of interest and energy
34. There are many _____ regions of the ocean that scientists hope to study soon.
adj. not yet examined, investigated, or studied; lacking in knowledge or information; unknown or undiscovered
35. White color is made up of many different _____ of light.
n. the distance between two points in the same phase in consecutive cycles of a wave
36. The building makes a remarkable _____ impact.
adj. relating to seeing or sight
37. Enhanced rail _____ is crucial for our business.
n. a system for moving people or products from one location to another using automobiles, roads, and so on
38. 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
39. Scientists studied the ancient _____ to learn more about the creature's anatomy.
n. the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant

ANSWERS: 32. landscape, 33. animated, 34. unexplored, 35. wavelengths, 36. visual, 37. transportation, 38. planet, 39. skeleton

40. The scientist conducted a study that provided _____ details about the species' behavior.
adj. clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
41. I used an optical _____ to observe the small organisms in the water sample.
n. an instrument used to see objects or substances that are too small to be seen with the naked eye
42. The company signed a _____ with the supplier for the delivery of goods.
n. a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
43. These economic activities had disastrous environmental _____.
n. the outcome of a particular action or event, especially relative to an individual
44. 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
45. The _____ in the light bulb burned out, and now it's not working.
n. a thin wire or thread, especially one used to produce light in an electric bulb
46. My grandmother has _____ disease requires special care and attention from her caregivers.
n. a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
47. She agreed to _____ with him in creating new artwork.
v. to work with someone else to produce or achieve something

ANSWERS: 40. specific, 41. microscope, 42. contract, 43. consequences, 44. genome, 45. filament, 46. Alzheimer's, 47. collaborate

48. The _____ of audit formally issued a business improvement order.
- n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
49. The mobile application industry is _____ changing.
- adv.* all the time
50. Too much variety may _____ and confuse viewers.
- v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
51. One of the main _____ of the new product is its increased efficiency.
- n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
52. The phenomenon is _____ at optical wavelengths.
- adj.* impossible or nearly impossible to see
53. 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
54. We have finally lost our last _____.
- n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
55. _____ proteins play a crucial role in the accessibility of DNA to the transcription machinery, thereby influencing gene expression.
- n.* a complex of DNA and protein found in eukaryotic cells, which primary function is to compact the DNA to fit within the confines of the cell's nucleus

ANSWERS: 48. machinery, 49. constantly, 50. overwhelm, 51. advantages, 52. invisible, 53. biology, 54. prop, 55. Chromatin-remodeling

56. I need to _____ this document before submitting it to my boss.
- v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
57. Direct democracy is effective in quickly resolving _____ situations within a community.
- adj.* full of difficulties; difficult to deal with or solve
58. The DNA molecule wraps around the _____ proteins to form a nucleosome.
- n.* a type of protein molecule that is responsible for packing and organizing DNA into a compact structure called chromatin within the nucleus of cells
59. She tried to _____ the layout of the new house in her mind.
- v.* to form a mental image or concept of something; to make something visible
60. 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
61. The _____ filaments are responsible for maintaining cell shape and movement.
- n.* a protein found in muscle tissue that is involved in muscle contraction and movement
62. During transit, the stuff may ___ off the luggage tag.
- v.* to tear something or be torn violently or suddenly
63. She was _____ about her friend's intentions.
- adj.* not being sure of something; not being able to choose

ANSWERS: 56. edit, 57. problematic, 58. histone, 59. visualize, 60. molecule, 61. actin, 62. rip, 63. uncertain

64. _____ 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
65. 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
66. 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
67. We do move forward with those tasks in _____ next week.
- n.* a series of related events, actions, numbers, etc., which have a particular order
68. The rules were _____ after the new executive arrived.
- v.* to become or cause someone to become less active or tense and calmer
69. The military uses _____ missiles to hit targets from far away.
- adj.* relating to or extending over a long distance, period of time, or range of possibilities
70. DNA is stored in the _____ of a cell.
- n.* the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom
71. I'm going to take the _____ to get to my destination faster.
- n.* a main road, especially one connecting major towns or cities

ANSWERS: 64. Bacteria, 65. immune, 66. exposed, 67. sequence, 68. relaxed, 69. long-range, 70. nucleus, 71. highway

72. The _____ amount of money raised for the charity was over a million dollars.

n. a collection or sum of different things often used to describe a total or combination of items

73. 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

74. _____ a society is an organism.

adv. relating to the essential features or concepts of anything

75. His _____ showed highly positive results.

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

76. These synthetic _____ are used in military vests because of their excellent abrasion resistance.

n. cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.

77. The president began to _____ an army.

v. to collect in one place as a single group

78. As an _____ he had the right to make his own decisions and live his life as he saw fit.

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

79. Several cities are experiencing _____ high unemployment rates.

adv. in a way that is very difficult to believe; exceedingly or extremely

ANSWERS: 72. aggregate, 73. stick, 74. Essentially, 75. experiments, 76. fabrics, 77. assemble, 78. individual, 79. incredibly

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

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

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

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

82. We have discussed the entirety of this _____ problem.

adj. requiring care and skill because challenging to do or deal with

83. We must manage to _____ our expenditure.

v. to control something, especially by means of rules or laws

84. Along the gravel roads, sizeable yellow school buses _____.

v. to move forward slowly, as people or animals with their bodies near the ground

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

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

86. 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

87. 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

ANSWERS: 80. responsible, 81. represent, 82. tricky, 83. regulate, 84. crawl, 85. Alien, 86. glue, 87. protein

88. Membranes bind these _____ together.

n. a specialized subunit, usually within a cell, that has a specific function

89. _____ 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)

90. The report divided the data into _____ based on age, gender, and income level.

n. a part or section of something; a distinct group within a larger whole

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

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

92. The national election was held amid _____ security.

adj. fixed, fastened, or kept together firmly or closely

93. It is important to _____ safety procedures in the workplace to prevent accidents.

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

94. I always _____ my breakfast quickly because I'm usually in a rush.

v. to eat or swallow something hurriedly, noisily, and greedily; to make the sound of a male turkey

95. The management must _____ strategies to increase office security.

v. to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

ANSWERS: 88. organelles, 89. Molecular, 90. segments, 91. suppose, 92. tight, 93. observe, 94. gobble, 95. explore

96. The moment the glacier collapses is an _____ sight.

adj. making you feel great respect or admiration through being impressive or formidable

97. It's important to _____ your strengths and weaknesses.

v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

98. A _____ audience viewed the broadcast.

adj. enormous in size, number, amount, or quantity

99. He should _____ more with his colleagues.

v. to communicate or react with somebody

100. The golfer recorded an _____ distance.

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

101. 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

102. I need to _____ my car regularly to prevent any major mechanical issues.

v. to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

103. He _____ the heavy suitcase behind him as he walked.

v. to pull or haul with force

ANSWERS: 96. awe-inspiring, 97. recognize, 98. vast, 99. interact, 100. amazing, 101. process, 102. maintain, 103. dragged

104. The _____ of the dancers on stage was graceful and elegant.

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

105. 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

106. My home is easily _____ from the shore.

adj. capable of being seen; or open to easy view

107. She _____ described the complex scientific concept in simple terms everyone could understand.

adv. in a way that is appropriate or fitting; in a way that demonstrates understanding or intelligence

ANSWERS: 104. movement, 105. structure, 106. visible, 107. aptly