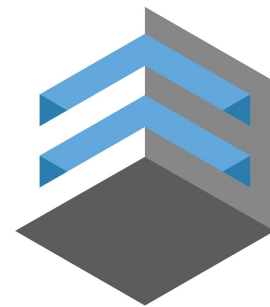


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Vocabulary Builder Reference from...

Michael Middlebrooks: The fantastically weird world of photosynthetic sea slugs | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

slug

n. a common name for any terrestrial gastropod mollusk that appears to lack a shell with soft and black or brown color; a bullet, a shot of alcoholic drink

(1) lazy **slug**, (2) reduce **slug** damage

I spotted a giant **slug** in the rain garden.

background

n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

synonym: ground, experience, backdrop

(1) a **background** color, (2) a criminal **background**

The company's hiring criteria emphasize personality, not a person's **background**.

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.

zoology

n. the scientific study of animals, including their classification, habits, behavior, physiology, and evolution

synonym: animal science, biology, zoography

(1) **zoology** book, (2) **zoology** professor

She's studying **zoology** at university and hopes to work at a zoo someday.

backbone

n. the spinal column of a vertebrate; a symbolic representation of strength and resilience

synonym: spine, courage, fortitude

(1) **backbone** of society, (2) **backbone** curve

She showed great **backbone** when standing up for her beliefs in opposition.

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.

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.

clam

n. a marine mollusk that burrows and lives on sand or mud, the shell closes with viselike firmness

(1) giant **clam**, (2) shuck a **clam**

The **clam** digs through the sand to a significant depth.

sponge

n. a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning

(1) sea **sponge**, (2) metallic **sponge**

The tiny marine **sponge** has existed for more than 500 million years.

worm

n. a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes

(1) wiggly **worms**, (2) can of **worms**

Worms help dispose of the food waste produced by humans.

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.

ultimate

adj. furthest or highest in degree or order

synonym: highest, maximum, foremost

(1) the **ultimate** goal in life, (2) the **ultimate** luxury

Management must take **ultimate** responsibility for the accident.

convert

v. to have a talk with someone; (adjective) reversed in order, relation, or action

synonym: alter, remake, transform

(1) **convert** fat into energy, (2) **convert** base 10 to base 16

I want to **convert** my sadness into strength.

photosynthesis

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

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

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

capture

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

synonym: catch, arrest, imprison

(1) **capture** a glimpse, (2) **capture** customers' hearts

I was able to **capture** the moment on film.

carbon

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

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

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

oxide

n. a chemical compound that contains at least one oxygen atom and one other element

(1) silver **oxide**, (2) combined **oxide**

The blood's red coloring comes from iron **oxide**.

sunlight

n. the light emitted by the sun; the rays of the sun

synonym: daylight, rays, sunshine

(1) a glare of **sunlight**, (2) in direct **sunlight**

Radiation from **sunlight** has a different wavelength.

oxygen

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

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

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

coral

n. a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry

(1) **coral** island, (2) **coral** ornament

She is wearing a **coral** necklace.

reef

n. a long chain or range of rocks or sand near the ocean's surface

(1) barrier **reef**, (2) coral **reefs**

The vessel ran aground on a **reef**.

locate

v. to specify or determine the exact position of someone or something

synonym: discover, find, place

(1) **locate** a missing pet, (2) **locate** a tumor

The robot can accurately **locate** construction material.

laboratory

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

synonym: lab, workshop, testing room

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

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

label

n. a small piece of paper, fabric, or other material attached to an object and giving information about it; (verb) to assign to a category

synonym: tag, mark, identifier

(1) a mailing **label**, (2) **label** a bag with my name

The **label** on the food package lists the ingredients and nutritional information.

partnership

n. the state of a cooperative relationship between people or groups, especially in business

synonym: alliance, participation, cooperation

(1) **partnership** across the Atlantic, (2) establish a **partnership**

The military **partnership** between the two countries created tension in the international community.

symbiosis

n. a close, prolonged association between two or more different species of organisms, typically to the advantage of all

synonym: cooperation, interdependence, mutualism

(1) industrial **symbiosis**, (2) **symbiosis** establishment

The **symbiosis** between the coral and the algae is an important example of mutualism.

algae

n. A simple plant that grows in or near water and lacks typical leaves and roots

(1) **algae** biofuel, (2) blue **algae**

Algae has jammed the inlet to the water turbine.

zooxanthella

n. a type of single-celled algae that lives in a mutualistic association with various marine animals, particularly coral

synonym: photobiont, dinoflagellate, symbiont

(1) **zooxanthella** symbiosis, (2) **zooxanthella** algae

The relationship between corals and **zooxanthellae** is essential for the survival of both organisms.

relative

adj. considered and evaluated through comparison with something else

synonym: comparative, proximate, congeneric

(1) a remote **relative**, (2) **relative** factors

Most countries prohibit sexual activity between certain close **relatives**.

flatworm

n. a type of simple, soft-bodied invertebrate animal with a flat, ribbon-like shape, including tapeworms and planarians

synonym: tapeworm, planarian, platyhelminthe

(1) **flatworm** regeneration, (2) parasitic **flatworm**

Some **flatworm** species are capable of asexual reproduction, allowing them to colonize new environments rapidly.

anemone

n. a type of flowering plant that has bright, showy flowers and typically blooms in the spring; a marine creature that resembles flowers but has oral rings of tentacles

synonym: flower, blossom

(1) **anemone** flower, (2) European **anemone**

The beautiful **anemones** swayed gently in the ocean current.

jellyfish

n. a marine creature with a soft, jelly-like body and tentacles for stinging

synonym: medusa, sea nettle, moon jelly

(1) spineless **jellyfish**, (2) **jellyfish** sting

The beach was filled with hundreds of **jellyfish**, so swimming

was not recommended.

upside

n. the positive aspect or potential of something; the upper side of something

synonym: advantage, benefit, top

(1) have no **upside**, (2) market **upside**

Many people see the **upside** of traveling as an opportunity to experience new cultures and broaden their horizons.

shallow

adj. not having much distance from the top to the bottom

synonym: superficial, external, surface

(1) **shallow** people, (2) **shallow** water

Shallow brooks are noisier than deep rivers.

mangrove

n. a tropical coastal tree or shrub that grows in saline soil and has prop roots that help to stabilize it

(1) **mangrove** forest, (2) **mangrove** swamp

The **mangrove** trees are known for their ability to survive in saltwater and sandy soil.

aquarium

n. a transparent tank of water in which fish and other water animals and plants are kept; a building containing tanks of live fish of different species, especially one that is open to the public

synonym: fish tank, water tank, aqua park

(1) **aquarium** fish, (2) virtual **aquarium**

This world-class **aquarium** offers educational programs for school groups.

tentacle

n. a flexible, mobile, and long arm-like organ used for feeling and holding things, catching food, or moving

(1) a squid's **tentacle**, (2) posterior **tentacle**

The police caught the fugitive criminal in the **tentacles** of an expanded investigation.

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.

micrograph

n. a photograph or image that has been taken through a microscope or magnifying lens, typically used for scientific or medical purposes

synonym : microphotograph

(1) **micrograph** image, (2) high-resolution **micrograph**

The **micrograph** of the cell shows detailed structures that the naked eye cannot see.

microscopic

adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy

synonym : infinitesimal, tiny, atomic

(1) **microscopic** inquiry, (2) **microscopic** analysis

Inspectors noticed **microscopic** cracks in the submarine's hull.

sphere

n. a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity

synonym : ball, globe, scope

(1) **sphere** of influence, (2) business **sphere**

The **sphere** of the earth is divided into several layers including the crust, mantle, and core.

dense

adj. containing a large number of people or something with little space between them

synonym : heavy, thick, idiotic

(1) nutrient- **dense** foods, (2) **dense** forests

The entire mountain is covered in **dense** rainforest.

remarkable

adj. worthy of attention because unusual or special

synonym : outstanding, exceptional, extraordinary

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

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

typical

adj. having the usual characteristics or traits of a specific group of things

synonym: characteristic, usual, distinctive

(1) **typical** leader, (2) fairly **typical** symptoms

This artwork is **typical** of her work.

fantastic

adj. extremely good; excellent

synonym: incredible, unbelievable, marvelous

(1) a **fantastic** dress, (2) absolutely **fantastic** event

The new amusement park ride was **fantastic**, with twists, turns, and drops that left riders screaming with excitement.

primarily

adv. mainly

synonym: largely, mainly, mostly

(1) intended **primarily** for young people, (2) **primarily** affect adults

All peaceful cooperation is based **primarily** on mutual trust.

mollusk

n. a soft-bodied invertebrate with no internal skeleton, such as a snail, clam, or octopus

synonym: oyster, clam, snail

(1) **mollusk** shell, (2) edible **mollusk**

As a child, I loved collecting seashells and had many **mollusks**.

shell

n. hard outer covering or case of eggs, nuts, some seeds, and some animals

synonym: ammunition, armor, cover

(1) an egg **shell**, (2) a mollusk **shell**

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

snail

n. a slow-moving mollusk with a spiral shell that it uses to protect its body

synonym : escargot, slug, whelk

(1) **snail** mail, (2) **snail** pace

The gardener found a **snail** slowly making its way through the lettuce patch.

octopus

n. a sea creature with a soft round body and eight long tentacles (= long parts like arms)

synonym : devilfish

(1) giant **octopus**, (2) venomous **octopus**

He experienced nausea after eating live **octopus**.

squid

n. a sea creature with a long and soft body, large eyes, eight arms, and two tentacles (= long parts like arms), and that is sometimes used for food

synonym : calamari, calamary

(1) a **squid's** tentacle, (2) **squid** ink spaghetti

The giant **squid** weighed over 50 kilograms.

fantastically

adv. in a manner that is extremely or unbelievably good, impressive, or bizarre; in a fanciful or imaginative way

synonym : amazingly, astonishingly, incredibly

(1) **fantastically** dressed, (2) **fantastically** wealthy

She sang **fantastically** in the talent show and won first place.

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.

arthropod

n. a type of invertebrate animal with a segmented body, jointed limbs, and an exoskeleton, including insects, spiders, crustaceans, and centipedes

synonym : insect, crustacean, spider

(1) **arthropod** exoskeleton, (2) small **arthropod**

The classification of **arthropods** is constantly evolving as new species are discovered, and genetic studies provide new insights into their evolutionary relationships.

diversity

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

synonym : variety, multiplicity, variousness

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

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

grain

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

synonym : seed, piece, cereal

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

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

colossal

adj. extremely large and impressive

synonym : gigantic, huge, enormous

(1) **colossal** statue, (2) a **colossal** success

The new building is truly **colossal**, towering over the surrounding buildings.

absolutely

adv. without restriction or limitation; completely or utterly

synonym : completely, utterly, definitely

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

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

enormous

adj. extremely large or great

synonym : huge, giant, gigantic

(1) **enormous** amount, (2) **enormous** potential

Shakespeare's output of poetry was **enormous**.

giant

adj. enormous; much bigger or more important than similar items usually are

synonym : big, gigantic, huge

(1) **giant** trees, (2) **giant** tech company

The **giant** jets gradually dominate the world's airlines.

tropical

adj. originating in, located in, or characteristic of the tropics

synonym : equatorial, tropic

(1) **tropical** cyclones, (2) **tropical** islands

Tropical storm Marco is making his way along the coast of Florida.

symbiotic

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

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

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

unfortunately

adv. by bad luck; unluckily

synonym : regrettably, unluckily, alas

(1) **unfortunately** caught in a shower, (2) even more **unfortunately**

The treatments were done but, **unfortunately**, were unsuccessful.

overharvested

adj. referring to a natural resource, particularly a plant or animal, that has been harvested or collected beyond its sustainable capacity

synonym : overexploited, overfished, depleted

(1) **overharvested** fish, (2) **overharvested** forest

Many fish populations have been severely **overharvested**, leading to a decline in their numbers.

gastropod

n. a class of mollusk that typically have a coiled or spiral shell, including snails, slugs, and whelks

synonym : snail, slug, whelk

(1) terrestrial **gastropod**, (2) marine **gastropod**

Humans have used the shells of **gastropods** for thousands of years as tools, ornaments, and currency.

seashell

n. a type of shell that once housed a mollusk, typically found on beaches or in shallow water

synonym: shell, conch, bivalve

(1) **seashell** ornament, (2) a fossil **seashell**

I love collecting **seashells** on the beach and displaying them in a jar at home.

tremendous

adj. very great in degree or extent or amount or impact; extremely good

synonym: enormous, giant, immense

(1) **tremendous** amount, (2) **tremendous** popularity

We had a **tremendous** time yesterday.

cone

n. a geometric shape that tapers to a point at one end and has a circular base at the other end

(1) traffic **cone**, (2) ice cream **cone**

Cone-shaped cells in the eye's retina are responsible for color vision and visual acuity.

venomous

adj. extremely poisonous or injurious; containing or producing venom; marked by deep ill will

synonym: poisonous, toxic, lethal

(1) the **venomous** jellyfish's sting, (2) have **venomous** eyes

The **venomous** snake bit him, causing him to go into shock.

biomedical

adj. relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare

synonym: medical, clinical, health-related

(1) **biomedical** assay, (2) cutting-edge **biomedical**

Biomedical engineering focuses on developing new medical technologies and innovations to improve patient health outcomes.

venom

n. a toxic substance produced by an animal, typically a snake or insect, and injected into prey or an enemy by biting or stinging

synonym : poison, toxin, hating

(1) the **venom** of a lizard, (2) injected **venom**

The snake's **venom** is highly toxic and can be fatal to humans.

scuba

n. an acronym for Self-Contained Underwater Breathing Apparatus, a device used for underwater diving

synonym : diving gear, underwater equipment

(1) **scuba** diving class, (2) **scuba** gear

The **scuba** divers explored the coral reefs to learn more about the ecosystem.

dive

v. to jump into the water with your head and arms going in first, or to move down to a deeper level underwater

synonym : dip, leap, plunge

(1) **dive** into anime communities, (2) **dive** off a cliff

The sperm whale can **dive** to 1,000 meters.

evolution

n. a gradual process of transformation of living things

synonym : elaboration, expansion, transition

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

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

minus

adj. subtracting or taking away; having a value less than zero

synonym : without, lacking, negative

(1) **minus** sign, (2) **minus** temperature

The recipe calls for four cups of flour **minus** one tablespoon.

evolutionary

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

synonym : developmental, mutative, transformative

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

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

unrelated

adj. having no connection; not belonging to the kinship

synonym : irrelevant, unconnected, independent

(1) statistically **unrelated**, (2) an **unrelated** position

Excuse me if my question is **unrelated** to the topic.

greatly

adv. to an extraordinary extent or degree; very much

synonym : enormously, broadly, grandly

(1) **greatly** affect the situation, (2) **greatly** support that player

They **greatly** admired our actions.

shield

n. a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves

synonym : guard, protection, safeguard

(1) a heat **shield**, (2) a **shield** for protecting against a bullet

Lead is an effective **shield** against X-rays, gamma rays, and other harmful radiation.

hare

n. a fast-running mammal with long ears and a short tail that closely resembles a rabbit but is larger and has longer hind legs

synonym : rabbit, bunny, lapin

(1) **hare** hunting, (2) brown **hare**

The farmer noticed a group of **hares** had been eating his vegetables, so he put up a fence to keep them out.

pulmonate

n. a type of mollusk with a lung-like breathing organ found commonly in freshwater and terrestrial habitats

synonym : lunged snail, air-breathing snail

(1) **pulmonate** snail, (2) lunged **pulmonate**

Many **pulmonate** species are important in soil ecology, where they help to break down organic matter and recycle

nutrients.

breath

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

synonym: air, puff, whiff

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

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

displeasure

n. the state of being annoyed or unhappy with someone or something

synonym: dissatisfaction, unhappiness, discontent

(1) incur **displeasure**, (2) **displeasure** with a ruling

The boss's **displeasure** was evident when he slammed the door on his way out.

encounter

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

synonym: meet, run into, come across

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

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

weird

adj. extraordinary, unexpected, or difficult to explain

synonym: bizarre, creepy, peculiar

(1) a **weird** dress, (2) the state of being **weird**

My computer has been acting **weird** recently.

fascinating

adj. extremely interesting

synonym: alluring, intriguing, captivating

(1) **fascinating** story, (2) completely **fascinating** to me

The museum houses a **fascinating** collection of Celtic artifacts.

nudibranch

n. a marine gastropod mollusk without a shell and with conspicuous or brightly colored gills found typically in

warm seas

synonym : nudi, sea slug, naked slug

(1) **nudibranch** species, (2) colorful **nudibranch**

The diet of **nudibranchs** often consists of small invertebrates such as sea anemones, hydroids, and sponges.

branch

n. a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

synonym : limb, twig, bough

(1) **branch** office, (2) a **branch** pipe

The **branch** of the tree had fallen and blocked the road.

gill

n. a respiratory organ of fish and some other aquatic animals that extracts dissolved oxygen from water and excretes carbon dioxide

synonym : respiratory organ, lung

(1) **gill** slits, (2) **gill** apparatus

The fish's **gills** are necessary for extracting oxygen from the water.

feathery

adj. having or resembling the soft and delicate feathers of a bird, typically in texture or appearance

synonym : fluffy, plumed, downy

(1) **feathery** fronds, (2) delicate **feathery**

The **feathery** leaves of the plant gently swayed in the breeze.

tuft

n. a small cluster or clump of something, typically hair, grass, or feathers, that stands upright and apart from the surrounding material

synonym : clump, bunch, cluster

(1) capillary **tuft**, (2) **tuft** of grass

The **tuft** of hair on the cat's head stood straight in alarm.

carnivore

n. an animal that primarily eats meat as opposed to plant matter

synonym : predator, meat-eater, hunter

(1) **carnivore** diet, (2) hungry **carnivore**

A lion is a typical **carnivore**, as they mainly eat meat.

sting

v. to cause a sharp, painful sensation or injury with a poison, venom, or other substance or by a physical action such as a bite or prick

synonym: bite, prick, poke

(1) **sting** me on the arm, (2) **sting** his face

Bees **sting** as a defense mechanism when they feel threatened.

sacoglossan

n. a type of sea slug that feeds by piercing and sucking out the contents of sac-shaped algae and often has a green color resulting from photosynthetic pigments in their tissues

synonym: sap-sucking slug, ascoglossa

(1) **sacoglossan** feeding, (2) sea slug **sacoglossan**

Many **sacoglossan** species are brightly colored, which can warn predators that they are toxic or unpalatable.

camouflage

n. an outward appearance that conceals the underlying essence of something; the way of concealing troops or military equipment so they cannot be seen against the surrounding environment

synonym: guise, mask, cloak

(1) **camouflage** clothing, (2) work as **camouflage**

They utilized branches of trees as **camouflage**.

herbivore

n. an animal that eats only plants, such as a cow or a deer

synonym: plant-eater, browser, graminivore

(1) **herbivore** diet, (2) **herbivore** animals

A giraffe is an **herbivore** that primarily eats leaves and twigs.

poke

v. to push or prod with a sharp object or the finger

synonym: prod, jab, push

(1) **poke** around the desk, (2) **poke** a fire

They **poked** fun at each other's jokes, laughing and teasing.

slurp

- v. to eat, drink, or consume with a loud or messy sucking noise; to make a loud or messy sucking noise while eating, drinking, or consuming

synonym : sip, gulp, drink noisily

(1) **slurp** tea, (2) **slurp** noodles

The child couldn't resist **slurping** her soup loudly at the dinner table.

digest

- v. to transform food into absorbable substances; break down

synonym : absorb, condense

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

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

chloroplast

- n. a type of membrane-bound organelle that conducts photosynthesis in plant and algal cells.

(1) **chloroplast** DNA, (2) **chloroplast** protein

Chloroplast membranes are incredibly vulnerable to damage by oxygen radicals produced as a byproduct of photochemistry.

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.

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.

kleptoplasty

- n. the ability of some animals to "steal" chloroplasts from other organisms and incorporate them into their bodies,

allowing them to photosynthesize like plants

synonym : chloroplast symbiosis, plastid capture

(1) **kleptoplasty** process, (2) **kleptoplasty** organism

The sea slug *Elysia chlorotica* is known for its **kleptoplasty** ability to steal chloroplasts from algae and use them for photosynthesis.

plasty

n. a surgical procedure that involves the shaping or molding of tissue or bone, particularly for reconstructive purposes

synonym : reconstruction, restoration, remodeling

(1) nasal **plasty**, (2) rhino- **plasty** operation

Patients with Crohn's disease who have developed narrowings in their small intestines may benefit from a stricture **plasty**.

vary

v. to become different in terms of size, shape, etc.

synonym : alter, contrast, differ

(1) **vary** according to the age, (2) **vary** directly with the price

Maximum heart rates **vary** a lot for each individual.

cycle

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

synonym : revolution, rotation, bike

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

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

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.

colleague

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

synonym : coworker, associate, fellow

(1) collaborate with **colleagues**, (2) former **colleague**
I decided to seek counseling on the advice of my **colleague**.

nick

n. a small cut, notch, or indentation in a surface or an edge
synonym: incision, dent, indentation

(1) a **nick** on the fender of a car, (2) **nick** on my hand
The interviewer arrived in a **nick** of time.

tub

n. a large, deep, round container, typically made of metal or plastic, used for washing or soaking things, especially clothes or a person's body
synonym: bathtub, bath, basin

(1) **tub** for foot soaking, (2) **tub** for washing
I like to take a long soak in the **tub** after a long day.

sac

n. a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant
synonym: bag, pouch, knapsack

(1) **sac** contents, (2) abdominal **sac**
I placed my valuables in the **sac** before heading out on my hike.

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.

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.

jam *n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit
synonym: difficulty, mess, preserve
(1) a traffic **jam**, (2) a jar of **jam**
The shredder in the print room often has paper **jams**.

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.

density *n.* the quality of compactness of a substance
synonym: tightness, viscosity
(1) population **density**, (2) higher pixel **density**
Do you know the **density** of the population in Hong Kong?

unravel *v.* undo twisted, knitted, or woven threads by separating it
synonym: separate, unknot, ravel
(1) **unravel** a knit, (2) **unravel** a plot
Detectives are still attempting to **unravel** the mystery of his death.

scratch *v.* to cut or damage the surface of something or the skin with a sharp or pointed object
synonym: claw, rub, scrape
(1) **scratch** off a name, (2) **scratch** my signature
Don't **scratch** your mosquito bites.

discovery *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
synonym: finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important **discovery**.

emerald

adj. having a deep, rich green color, like that of an emerald gemstone

synonym: green, verdant, jade

(1) an **emerald** gem, (2) **emerald** ring

The **emerald** green dress caught everyone's eye at the party.

lettuce

n. a leafy vegetable that is often used as a base for salads or sandwiches; it has green leaves and a mild flavor

synonym: greens, salad, cress

(1) crisp **lettuce**, (2) wilted **lettuce**

I want a sandwich with extra **lettuce**, please.

chlorophyll

n. any of a group of green pigments found in photosynthetic organisms

(1) **chlorophyll** pigment, (2) bacterial **chlorophyll**

Chlorophyll utilizes sunlight to create sugars.

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.

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.

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.

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.

biochemical

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

synonym : molecular, biological

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

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

occasionally

adv. now and then; sometimes but not often

synonym : periodically, sometimes, from time to time

(1) **occasionally** dine with friends, (2) **occasionally** change the routine

She still **occasionally** writes a short romance novel.

introduction

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

synonym : initiation, preamble, prologue

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

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

Session 2: Spelling

1. pr_____ly affect adults *adv.* mainly
2. em_____d ring *adj.* having a deep, rich green color, like that of an emerald gemstone
3. en_____us amount *adj.* extremely large or great
4. fan_____lly dressed *adv.* in a manner that is extremely or unbelievably good, impressive, or bizarre; in a fanciful or imaginative way
5. di_____e backgrounds *adj.* including numerous categories of individuals or entities; various
6. a mailing la__l *n.* a small piece of paper, fabric, or other material attached to an object and giving information about it; (verb) to assign to a category
7. nasal pl____y *n.* a surgical procedure that involves the shaping or molding of tissue or bone, particularly for reconstructive purposes
8. a person of di_____e talents *adj.* including numerous categories of individuals or entities; various
9. high-resolution mic_____ph *n.* a photograph or image that has been taken through a microscope or magnifying lens, typically used for scientific or medical purposes
10. 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)

ANSWERS: 1. primarily, 2. emerald, 3. enormous, 4. fantastically, 5. diverse, 6. label, 7. plasty, 8. diverse, 9. micrograph, 10. molecular

11. a jar of j_m *n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit
12. ove_____ted forest *adj.* referring to a natural resource, particularly a plant or animal, that has been harvested or collected beyond its sustainable capacity
13. a co_____al success *adj.* extremely large and impressive
14. g__l apparatus *n.* a respiratory organ of fish and some other aquatic animals that extracts dissolved oxygen from water and excretes carbon dioxide
15. a remote re_____ve *adj.* considered and evaluated through comparison with something else
16. virtual aq_____um *n.* a transparent tank of water in which fish and other water animals and plants are kept; a building containing tanks of live fish of different species, especially one that is open to the public
17. par_____ip across the Atlantic *n.* the state of a cooperative relationship between people or groups, especially in business
18. a ti__t game *adj.* fixed, fastened, or kept together firmly or closely
19. sn__l pace *n.* a slow-moving mollusk with a spiral shell that it uses to protect its body
20. he_____re animals *n.* an animal that eats only plants, such as a cow or a deer

ANSWERS: 11. jam, 12. overharvested, 13. colossal, 14. gill, 15. relative, 16. aquarium, 17. partnership, 18. tight, 19. snail, 20. herbivore

21. absolutely fa_____ic event *adj.* extremely good; excellent
22. d__e off a cliff *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
23. d__e into anime communities *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
24. wiggly w__ms *n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes
25. a fossil se_____ll *n.* a type of shell that once housed a mollusk, typically found on beaches or in shallow water
26. in___t antenna *n.* any small creature that has six legs and a body divided into three sections
27. re_____ve factors *adj.* considered and evaluated through comparison with something else
28. sc__a diving class *n.* an acronym for Self-Contained Underwater Breathing Apparatus, a device used for underwater diving
29. sea sp____e *n.* a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning
30. g__l slits *n.* a respiratory organ of fish and some other aquatic animals that extracts dissolved oxygen from water and excretes carbon dioxide
31. brown h__e *n.* a fast-running mammal with long ears and a short tail that closely resembles a rabbit but is larger and has longer hind legs

ANSWERS: 21. fantastic, 22. dive, 23. dive, 24. worm, 25. seashell, 26. insect, 27. relative, 28. scuba, 29. sponge, 30. gill, 31. hare

32. t_b for washing *n.* a large, deep, round container, typically made of metal or plastic, used for washing or soaking things, especially clothes or a person's body
33. tr____al cyclones *adj.* originating in, located in, or characteristic of the tropics
34. the di_____ty policy of the university *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
35. go to the workplace by cy__e *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
36. ice cream c__e *n.* a geometric shape that tapers to a point at one end and has a circular base at the other end
37. lunged pu_____te *n.* a type of mollusk with a lung-like breathing organ found commonly in freshwater and terrestrial habitats
38. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
39. a sq__d's tentacle *n.* a sea creature with a long and soft body, large eyes, eight arms, and two tentacles (= long parts like arms), and that is sometimes used for food
40. chl_____st DNA *n.* a type of membrane-bound organelle that conducts photosynthesis in plant and algal cells.

ANSWERS: 32. tub, 33. tropical, 34. diversity, 35. cycle, 36. cone, 37. pulmonate, 38. discovery, 39. squid, 40. chloroplast

41. work as cam_____ge *n.* an outward appearance that conceals the underlying essence of something; the way of concealing troops or military equipment so they cannot be seen against the surrounding environment
42. have no up___e *n.* the positive aspect or potential of something; the upper side of something
43. market up___e *n.* the positive aspect or potential of something; the upper side of something
44. 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
45. ex_____ng news *adj.* causing a lot of interest or excitement
46. de__e forests *adj.* containing a large number of people or something with little space between them
47. ca_____re diet *n.* an animal that primarily eats meat as opposed to plant matter
48. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
49. a squid's te_____le *n.* a flexible, mobile, and long arm-like organ used for feeling and holding things, catching food, or moving
50. occ_____lly dine with friends *adv.* now and then; sometimes but not often
51. sh_____w water *adj.* not having much distance from the top to the bottom

ANSWERS: 41. camouflage, 42. upside, 43. upside, 44. stick, 45. exciting, 46. dense, 47. carnivore, 48. laboratory, 49. tentacle, 50. occasionally, 51. shallow

52. un_____l a knit *v.* undo twisted, knitted, or woven threads by separating it
53. sy_____is establishment *n.* a close, prolonged association between two or more different species of organisms, typically to the advantage of all
54. collaborate with co_____ues *n.* one of a group of a coworker, especially in a profession or a business
55. sac_____an feeding *n.* a type of sea slug that feeds by piercing and sucking out the contents of sac-shaped algae and often has a green color resulting from photosynthetic pigments in their tissues
56. fairly ty_____l symptoms *adj.* having the usual characteristics or traits of a specific group of things
57. an un_____ed position *adj.* having no connection; not belonging to the kinship
58. gr_____y affect the situation *adv.* to an extraordinary extent or degree; very much
59. hungry ca_____re *n.* an animal that primarily eats meat as opposed to plant matter
60. fas_____ng story *adj.* extremely interesting
61. en_____er a crisis *v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
62. sc__a gear *n.* an acronym for Self-Contained Underwater Breathing Apparatus, a device used for underwater diving

ANSWERS: 52. unravel, 53. symbiosis, 54. colleague, 55. sacoglossan, 56. typical, 57. unrelated, 58. greatly, 59. carnivore, 60. fascinating, 61. encounter, 62. scuba

74. sh____w people *adj.* not having much distance from the top to the bottom
75. sl__p noodles *v.* to eat, drink, or consume with a loud or messy sucking noise; to make a loud or messy sucking noise while eating, drinking, or consuming
76. 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
77. the cy__e of the seasons *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
78. t__t of grass *n.* a small cluster or clump of something, typically hair, grass, or feathers, that stands upright and apart from the surrounding material
79. ca_____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
80. 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
81. la__l a bag with my name *n.* a small piece of paper, fabric, or other material attached to an object and giving information about it; (verb) to assign to a category

ANSWERS: 74. shallow, 75. slurp, 76. structure, 77. cycle, 78. tuft, 79. capture, 80. nucleus, 81. label

82. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
83. a fa_____ic dress *adj.* extremely good; excellent
84. the state of being we__d *adj.* extraordinary, unexpected, or difficult to explain
85. 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
86. chl_____st protein *n.* a type of membrane-bound organelle that conducts photosynthesis in plant and algal cells.
87. v__y according to the age *v.* to become different in terms of size, shape, etc.
88. sea slug sac_____an *n.* a type of sea slug that feeds by piercing and sucking out the contents of sac-shaped algae and often has a green color resulting from photosynthetic pigments in their tissues
89. en_____us potential *adj.* extremely large or great
90. en_____er a storm *v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
91. zo_____y professor *n.* the scientific study of animals, including their classification, habits, behavior, physiology, and evolution

ANSWERS: 82. absolutely, 83. fantastic, 84. weird, 85. stick, 86. chloroplast, 87. vary, 88. sacoglossan, 89. enormous, 90. encounter, 91. zoology

92. mic_____ph image *n.* a photograph or image that has been taken through a microscope or magnifying lens, typically used for scientific or medical purposes
93. a criminal bac_____nd *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
94. toxic ch_____als *adj.* relating to or connected with chemistry;
95. ba_____ne of society *n.* the spinal column of a vertebrate; a symbolic representation of strength and resilience
96. hold your br____h *n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
97. an egg sh__l *n.* hard outer covering or case of eggs, nuts, some seeds, and some animals
98. unf_____ely caught in a shower *adv.* by bad luck; unluckily
99. lo____e a missing pet *v.* to specify or determine the exact position of someone or something
100. st__g me on the arm *v.* to cause a sharp, painful sensation or injury with a poison, venom, or other substance or by a physical action such as a bite or prick
101. ca____n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

ANSWERS: 92. micrograph, 93. background, 94. chemical, 95. backbone, 96. breath, 97. shell, 98. unfortunately, 99. locate, 100. sting, 101. carbon

102. an____e flower *n.* a type of flowering plant that has bright, showy flowers and typically blooms in the spring; a marine creature that resembles flowers but has oral rings of tentacles
103. he____re diet *n.* an animal that eats only plants, such as a cow or a deer
104. gi__t tech company *adj.* enormous; much bigger or more important than similar items usually are
105. traffic c__e *n.* a geometric shape that tapers to a point at one end and has a circular base at the other end
106. have ve____us eyes *adj.* extremely poisonous or injurious; containing or producing venom; marked by deep ill will
107. industrial sy____is *n.* a close, prolonged association between two or more different species of organisms, typically to the advantage of all
108. silver ox__e *n.* a chemical compound that contains at least one oxygen atom and one other element
109. ca____n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
110. injected ve__m *n.* a toxic substance produced by an animal, typically a snake or insect, and injected into prey or an enemy by biting or stinging

ANSWERS: 102. anemone, 103. herbivore, 104. giant, 105. cone, 106. venomous, 107. symbiosis, 108. oxide, 109. carbon, 110. venom

111. a heat sh___d *n.* a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves
112. process of pho_____sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
113. ty____l leader *adj.* having the usual characteristics or traits of a specific group of things
114. bio_____al reaction *adj.* relating to the chemical processes and substances that occur within living organisms
115. population de____y *n.* the quality of compactness of a substance
116. sl__p tea *v.* to eat, drink, or consume with a loud or messy sucking noise; to make a loud or messy sucking noise while eating, drinking, or consuming
117. an em____d gem *adj.* having a deep, rich green color, like that of an emerald gemstone
118. abdominal s_c *n.* a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant
119. ba_____ne curve *n.* the spinal column of a vertebrate; a symbolic representation of strength and resilience

ANSWERS: 111. shield, 112. photosynthesis, 113. typical, 114. biochemical, 115. density, 116. slurp, 117. emerald, 118. sac, 119. backbone

120. giant oc____s *n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)
121. coral r__fs *n.* a long chain or range of rocks or sand near the ocean's surface
122. evolutionary bi____y *n.* the scientific study of life and the natural processes of living things
123. mic____pe slide *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
124. 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
125. posterior te____le *n.* a flexible, mobile, and long arm-like organ used for feeling and holding things, catching food, or moving
126. can of w__ms *n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes
127. zo____y book *n.* the scientific study of animals, including their classification, habits, behavior, physiology, and evolution
128. blue al__e *n.* A simple plant that grows in or near water and lacks typical leaves and roots
129. the ul____te luxury *adj.* furthest or highest in degree or order
130. wilted le____e *n.* a leafy vegetable that is often used as a base for salads or sandwiches; it has green leaves and a mild flavor

ANSWERS: 120. octopus, 121. reef, 122. biology, 123. microscope, 124. planet, 125. tentacle, 126. worm, 127. zoology, 128. algae, 129. ultimate, 130. lettuce

131. fl_____rm regeneration *n.* a type of simple, soft-bodied invertebrate animal with a flat, ribbon-like shape, including tapeworms and planarians
132. small ar_____od *n.* a type of invertebrate animal with a segmented body, jointed limbs, and an exoskeleton, including insects, spiders, crustaceans, and centipedes
133. sy_____ic economy *adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist
134. edible mo_____k *n.* a soft-bodied invertebrate with no internal skeleton, such as a snail, clam, or octopus
135. p__e a fire *v.* to push or prod with a sharp object or the finger
136. the hydrogen binds the ox____n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
137. student on a ti__t budget *adj.* fixed, fastened, or kept together firmly or closely
138. chl_____ll pigment *n.* any of a group of green pigments found in photosynthetic organisms
139. sp____e of influence *n.* a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity
140. terrestrial ga_____od *n.* a class of mollusk that typically have a coiled or spiral shell, including snails, slugs, and whelks

ANSWERS: 131. flatworm, 132. arthropod, 133. symbiotic, 134. mollusk, 135. poke, 136. oxygen, 137. tight, 138. chlorophyll, 139. sphere, 140. gastropod

141. sy_____ic bacteria *adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist
142. even more unf_____ely *adv.* by bad luck; unluckily
143. gr_____y support that player *adv.* to an extraordinary extent or degree; very much
144. lack of ox___n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
145. a mollusk sh__l *n.* hard outer covering or case of eggs, nuts, some seeds, and some animals
146. a traffic j_m *n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit
147. statistically un_____ed *adj.* having no connection; not belonging to the kinship
148. bacterial chl_____ll *n.* any of a group of green pigments found in photosynthetic organisms
149. ar_____od exoskeleton *n.* a type of invertebrate animal with a segmented body, jointed limbs, and an exoskeleton, including insects, spiders, crustaceans, and centipedes
150. ma_____ve forest *n.* a tropical coastal tree or shrub that grows in saline soil and has prop roots that help to stabilize it
151. metallic sp___e *n.* a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning

ANSWERS: 141. symbiotic, 142. unfortunately, 143. greatly, 144. oxygen, 145. shell, 146. jam, 147. unrelated, 148. chlorophyll, 149. arthropod, 150. mangrove, 151. sponge

152. a scientific di_____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
153. zoo_____lla algae *n.* a type of single-celled algae that lives in a mutualistic association with various marine animals, particularly coral
154. fe_____ry fronds *adj.* having or resembling the soft and delicate feathers of a bird, typically in texture or appearance
155. occ_____lly change the routine *adv.* now and then; sometimes but not often
156. co__l island *n.* a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
157. study of inv_____ates *n.* a class of animals that do not have a backbone; they include insects, worms, and mollusks
158. kle_____sty organism *n.* the ability of some animals to "steal" chloroplasts from other organisms and incorporate them into their bodies, allowing them to photosynthesize like plants
159. a sh___d for protecting against a bullet *n.* a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves
160. venomous oc_____s *n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)

ANSWERS: 152. discovery, 153. zooxanthella, 154. feathery, 155. occasionally, 156. coral, 157. invertebrate, 158. kleptoplasty, 159. shield, 160. octopus

161. marine ga_____od *n.* a class of mollusk that typically have a coiled or spiral shell, including snails, slugs, and whelks
162. capillary t__t *n.* a small cluster or clump of something, typically hair, grass, or feathers, that stands upright and apart from the surrounding material
163. colorful nud_____ch *n.* a marine gastropod mollusk without a shell and with conspicuous or brightly colored gills found typically in warm seas
164. ove_____ted fish *adj.* referring to a natural resource, particularly a plant or animal, that has been harvested or collected beyond its sustainable capacity
165. co_____t base 10 to base 16 *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
166. tre_____us amount *adj.* very great in degree or extent or amount or impact; extremely good
167. di_____ve juices *adj.* relating to or capable of causing or promoting digestion of food
168. 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
169. shuck a c__m *n.* a marine mollusk that burrows and lives on sand or mud, the shell closes with viselike firmness
170. sn__l mail *n.* a slow-moving mollusk with a spiral shell that it uses to protect its body

ANSWERS: 161. gastropod, 162. tuft, 163. nudibranch, 164. overharvested, 165. convert, 166. tremendous, 167. digestive, 168. planet, 169. clam, 170. snail

171. t_b for foot soaking *n.* a large, deep, round container, typically made of metal or plastic, used for washing or soaking things, especially clothes or a person's body
172. reduce s__g damage *n.* a common name for any terrestrial gastropod mollusk that appears to lack a shell with soft and black or brown color; a bullet, a shot of alcoholic drink
173. rem_____le achievement *adj.* worthy of attention because unusual or special
174. lazy s__g *n.* a common name for any terrestrial gastropod mollusk that appears to lack a shell with soft and black or brown color; a bullet, a shot of alcoholic drink
175. a bac_____nd color *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
176. barrier r__f *n.* a long chain or range of rocks or sand near the ocean's surface
177. mic_____ic analysis *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
178. aq_____um fish *n.* a transparent tank of water in which fish and other water animals and plants are kept; a building containing tanks of live fish of different species, especially one that is open to the public
179. p__e around the desk *v.* to push or prod with a sharp object or the finger

ANSWERS: 171. tub, 172. slug, 173. remarkable, 174. slug, 175. background, 176. reef, 177. microscopic, 178. aquarium, 179. poke

180. crisp le_____e *n.* a leafy vegetable that is often used as a base for salads or sandwiches; it has green leaves and a mild flavor
181. 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
182. nutrient-de___e foods *adj.* containing a large number of people or something with little space between them
183. a ch_____al compound *adj.* relating to or connected with chemistry;
184. flour made from gr___n *n.* wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance
185. 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)
186. ev_____on theory *n.* a gradual process of transformation of living things
187. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
188. tre_____us popularity *adj.* very great in degree or extent or amount or impact; extremely good
189. mi___s temperature *adj.* subtracting or taking away; having a value less than zero
190. a br___h pipe *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

ANSWERS: 180. lettuce, 181. cellular, 182. dense, 183. chemical, 184. grain, 185. molecular, 186. evolution, 187. biology, 188. tremendous, 189. minus, 190. branch

191. electron mic_____pe *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
192. bio_____al assay *adj.* relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare
193. se_____ll ornament *n.* a type of shell that once housed a mollusk, typically found on beaches or in shallow water
194. rhino-pl_____y operation *n.* a surgical procedure that involves the shaping or molding of tissue or bone, particularly for reconstructive purposes
195. establish a par_____ip *n.* the state of a cooperative relationship between people or groups, especially in business
196. nud_____ch species *n.* a marine gastropod mollusk without a shell and with conspicuous or brightly colored gills found typically in warm seas
197. pu_____te snail *n.* a type of mollusk with a lung-like breathing organ found commonly in freshwater and terrestrial habitats
198. inv_____ate species *n.* a class of animals that do not have a backbone; they include insects, worms, and mollusks
199. tr_____al islands *adj.* originating in, located in, or characteristic of the tropics
200. co_____t fat into energy *v.* to have a talk with someone; (adjective) reversed in order, relation, or action

ANSWERS: 191. microscope, 192. biomedical, 193. seashell, 194. plasty, 195. partnership, 196. nudibranch, 197. pulmonate, 198. invertebrate, 199. tropical, 200. convert

201. br___h of wind *n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
202. completely fas_____ng to me *adj.* extremely interesting
203. a glare of su_____ht *n.* the light emitted by the sun; the rays of the sun
204. cellular or_____les *n.* a specialized subunit, usually within a cell, that has a specific function
205. cutting-edge bio_____al *adj.* relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare
206. in direct su_____ht *n.* the light emitted by the sun; the rays of the sun
207. anthropology lab_____ry *n.* a workplace for doing scientific research or teaching science; a lab
208. 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
209. self-int_____ion *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
210. the evo_____ary process *adj.* relating to or denoting how living things develop or change from earlier forms
211. the ul_____te goal in life *adj.* furthest or highest in degree or order

ANSWERS: 201. breath, 202. fascinating, 203. sunlight, 204. organelle, 205. biomedical, 206. sunlight, 207. laboratory, 208. structure, 209. introduction, 210. evolutionary, 211. ultimate

212. zoo_____lla symbiosis *n.* a type of single-celled algae that lives in a mutualistic association with various marine animals, particularly coral
213. n__k on my hand *n.* a small cut, notch, or indentation in a surface or an edge
214. je_____sh sting *n.* a marine creature with a soft, jelly-like body and tentacles for stinging
215. former co_____ue *n.* one of a group of a coworker, especially in a profession or a business
216. the ve__m of a lizard *n.* a toxic substance produced by an animal, typically a snake or insect, and injected into prey or an enemy by biting or stinging
217. v__y directly with the price *v.* to become different in terms of size, shape, etc.
218. giant c__m *n.* a marine mollusk that burrows and lives on sand or mud, the shell closes with viselike firmness
219. co__l ornament *n.* a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
220. mic_____ic inquiry *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
221. complex bio_____al *adj.* relating to the chemical processes and substances that occur within living organisms
222. st__g his face *v.* to cause a sharp, painful sensation or injury with a poison, venom, or other substance or by a physical action such as a bite or prick

ANSWERS: 212. zooxanthella, 213. nick, 214. jellyfish, 215. colleague, 216. venom, 217. vary, 218. clam, 219. coral, 220. microscopic, 221. biochemical, 222. sting

223. a n__k on the fender of a car *n.* a small cut, notch, or indentation in a surface or an edge
224. delicate fe____ry *adj.* having or resembling the soft and delicate feathers of a bird, typically in texture or appearance
225. parasitic fl____rm *n.* a type of simple, soft-bodied invertebrate animal with a flat, ribbon-like shape, including tapeworms and planarians
226. help di___t food *v.* to transform food into absorbable substances; break down
227. ex____ng football player *adj.* causing a lot of interest or excitement
228. abs____ly against *adv.* without restriction or limitation; completely or utterly
229. ecology and evo____ary biology *adj.* relating to or denoting how living things develop or change from earlier forms
230. mo____k shell *n.* a soft-bodied invertebrate with no internal skeleton, such as a snail, clam, or octopus
231. the rem____le breadth of knowledge *adj.* worthy of attention because unusual or special
232. a di____ve enzyme *adj.* relating to or capable of causing or promoting digestion of food
233. br___h office *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
234. business sp___e *n.* a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity

ANSWERS: 223. nick, 224. feathery, 225. flatworm, 226. digest, 227. exciting, 228. absolutely, 229. evolutionary, 230. mollusk, 231. remarkable, 232. digestive, 233. branch, 234. sphere

235. fan_____lly wealthy *adv.* in a manner that is extremely or unbelievably good, impressive, or bizarre; in a fanciful or imaginative way
236. cam_____ge clothing *n.* an outward appearance that conceals the underlying essence of something; the way of concealing troops or military equipment so they cannot be seen against the surrounding environment
237. incur dis_____re *n.* the state of being annoyed or unhappy with someone or something
238. 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
239. lo___e a tumor *v.* to specify or determine the exact position of someone or something
240. the ve_____us jellyfish's sting *adj.* extremely poisonous or injurious; containing or producing venom; marked by deep ill will
241. intended pr_____ly for young people *adv.* mainly
242. a gr___n of sand *n.* wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance
243. h___e hunting *n.* a fast-running mammal with long ears and a short tail that closely resembles a rabbit but is larger and has longer hind legs

ANSWERS: 235. fantastically, 236. camouflage, 237. displeasure, 238. nucleus, 239. locate, 240. venomous, 241. primarily, 242. grain, 243. hare

244. sc____h my signature *v.* to cut or damage the surface of something or the skin with a sharp or pointed object
245. in____t biology *n.* any small creature that has six legs and a body divided into three sections
246. gi__t trees *adj.* enormous; much bigger or more important than similar items usually are
247. combined ox__e *n.* a chemical compound that contains at least one oxygen atom and one other element
248. 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
249. al__e biofuel *n.* A simple plant that grows in or near water and lacks typical leaves and roots
250. European an____e *n.* a type of flowering plant that has bright, showy flowers and typically blooms in the spring; a marine creature that resembles flowers but has oral rings of tentacles
251. dis____re with a ruling *n.* the state of being annoyed or unhappy with someone or something
252. sc____h off a name *v.* to cut or damage the surface of something or the skin with a sharp or pointed object
253. oxygenic pho____sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.

ANSWERS: 244. scratch, 245. insect, 246. giant, 247. oxide, 248. cellular, 249. algae, 250. anemone, 251. displeasure, 252. scratch, 253. photosynthesis

254. sq__d ink spaghetti *n.* a sea creature with a long and soft body, large eyes, eight arms, and two tentacles (= long parts like arms), and that is sometimes used for food
255. lingual di_____ty *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
256. mi__s sign *adj.* subtracting or taking away; having a value less than zero
257. kle_____sty process *n.* the ability of some animals to "steal" chloroplasts from other organisms and incorporate them into their bodies, allowing them to photosynthesize like plants
258. di___t information *v.* to transform food into absorbable substances; break down

ANSWERS: 254. squid, 255. diversity, 256. minus, 257. kleptoplasty, 258. digest

Session 3: Fill in the Blanks

1. The interviewer arrived in a _____ of time.
n. a small cut, notch, or indentation in a surface or an edge
2. The police caught the fugitive criminal in the _____ of an expanded investigation.
n. a flexible, mobile, and long arm-like organ used for feeling and holding things, catching food, or moving
3. I decided to seek counseling on the advice of my _____.
n. one of a group of a coworker, especially in a profession or a business
4. The gardener found a _____ slowly making its way through the lettuce patch.
n. a slow-moving mollusk with a spiral shell that it uses to protect its body
5. _____ algorithms can find ways to optimize that humans do not anticipate.
adj. relating to or denoting how living things develop or change from earlier forms
6. The sperm whale can _____ to 1,000 meters.
v. to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
7. The diet of _____ often consists of small invertebrates such as sea anemones, hydroids, and sponges.
n. a marine gastropod mollusk without a shell and with conspicuous or brightly colored gills found typically in warm seas

ANSWERS: 1. nick, 2. tentacles, 3. colleague, 4. snail, 5. Evolutionary, 6. dive, 7. nudibranchs

8. She is wearing a _____ necklace.

n. a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry

9. They study the _____ of the universe.

n. a gradual process of transformation of living things

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

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

11. The _____ snake bit him, causing him to go into shock.

adj. extremely poisonous or injurious; containing or producing venom; marked by deep ill will

12. The shredder in the print room often has paper _____.

n. a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit

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

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

14. The entire mountain is covered in _____ rainforest.

adj. containing a large number of people or something with little space between them

15. A lion is a typical _____ as they mainly eat meat.

n. an animal that primarily eats meat as opposed to plant matter

ANSWERS: 8. coral, 9. evolution, 10. Biochemical, 11. venomous, 12. jams, 13. introduction, 14. dense, 15. carnivore,

16. 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
17. Many _____ species are brightly colored, which can warn predators that they are toxic or unpalatable.
- n.* a type of sea slug that feeds by piercing and sucking out the contents of sac-shaped algae and often has a green color resulting from photosynthetic pigments in their tissues
18. Ordinary air purifiers cannot adequately remove pollen _____.
- n.* wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance
19. The firm has grown into a large _____ manufacturing.
- adj.* relating to or connected with chemistry;
20. 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
21. The boss's _____ was evident when he slammed the door on his way out.
- n.* the state of being annoyed or unhappy with someone or something
22. The blood's red coloring comes from iron _____.
- n.* a chemical compound that contains at least one oxygen atom and one other element

ANSWERS: 16. invertebrates, 17. sacoglossan, 18. grains, 19. chemical, 20. microscope, 21. displeasure, 22. oxide

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

adj. extremely interesting

24. The food chain causes a material _____.

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

25. The beach was filled with hundreds of _____ so swimming was not recommended.

n. a marine creature with a soft, jelly-like body and tentacles for stinging

26. The _____ green dress caught everyone's eye at the party.

adj. having a deep, rich green color, like that of an emerald gemstone

27. The farmer noticed a group of _____ had been eating his vegetables, so he put up a fence to keep them out.

n. a fast-running mammal with long ears and a short tail that closely resembles a rabbit but is larger and has longer hind legs

28. The _____ jets gradually dominate the world's airlines.

adj. enormous; much bigger or more important than similar items usually are

29. The new amusement park ride was _____ with twists, turns, and drops that left riders screaming with excitement.

adj. extremely good; excellent

30. The _____ of the tree had fallen and blocked the road.

n. a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

ANSWERS: 23. fascinating, 24. cycle, 25. jellyfish, 26. emerald, 27. hares, 28. giant, 29. fantastic, 30. branch

31. Humans have used the shells of _____ for thousands of years as tools, ornaments, and currency.
- n.* a class of mollusk that typically have a coiled or spiral shell, including snails, slugs, and whelks
32. The giant _____ weighed over 50 kilograms.
- n.* a sea creature with a long and soft body, large eyes, eight arms, and two tentacles (= long parts like arms), and that is sometimes used for food
33. The passenger grabbed for the _____ mask.
- n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
34. The _____ leaves of the plant gently swayed in the breeze.
- adj.* having or resembling the soft and delicate feathers of a bird, typically in texture or appearance
35. The _____ divers explored the coral reefs to learn more about the ecosystem.
- n.* an acronym for Self-Contained Underwater Breathing Apparatus, a device used for underwater diving
36. I spotted a giant _____ in the rain garden.
- n.* a common name for any terrestrial gastropod mollusk that appears to lack a shell with soft and black or brown color; a bullet, a shot of alcoholic drink
37. The sea slug *Elysia chlorotica* is known for its _____ ability to steal chloroplasts from algae and use them for photosynthesis.
- n.* the ability of some animals to "steal" chloroplasts from other organisms and incorporate them into their bodies, allowing them to photosynthesize like plants

ANSWERS: 31. gastropods, 32. squid, 33. oxygen, 34. feathery, 35. scuba, 36. slug, 37. kleptoplasty

38. The _____ on the food package lists the ingredients and nutritional information.
- n.* a small piece of paper, fabric, or other material attached to an object and giving information about it; (verb) to assign to a category
39. 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
40. Patients with Crohn's disease who have developed narrowings in their small intestines may benefit from a stricture _____.
- n.* a surgical procedure that involves the shaping or molding of tissue or bone, particularly for reconstructive purposes
41. We have a mutually _____ connection with them.
- adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist
42. Do you know the _____ of the population in Hong Kong?
- n.* the quality of compactness of a substance
43. The national election was held amid _____ security.
- adj.* fixed, fastened, or kept together firmly or closely
44. Membranes bind these _____ together.
- n.* a specialized subunit, usually within a cell, that has a specific function
45. Mercury is the closest _____ to the sun.
- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

ANSWERS: 38. label, 39. nucleus, 40. plasty, 41. symbiotic, 42. density, 43. tight, 44. organelles, 45. planet

46. The relationship between corals and _____ is essential for the survival of both organisms.
- n.* a type of single-celled algae that lives in a mutualistic association with various marine animals, particularly coral
47. _____ cells in the eye's retina are responsible for color vision and visual acuity.
- n.* a geometric shape that tapers to a point at one end and has a circular base at the other end
48. _____ 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)
49. _____ brooks are noisier than deep rivers.
- adj.* not having much distance from the top to the bottom
50. As a child, I loved collecting seashells and had many _____.
- n.* a soft-bodied invertebrate with no internal skeleton, such as a snail, clam, or octopus
51. New York is a city with a _____ ethnic population.
- adj.* including numerous categories of individuals or entities; various
52. Her research team made an important _____.
- n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
53. They _____ fun at each other's jokes, laughing and teasing.
- v.* to push or prod with a sharp object or the finger

ANSWERS: 46. zooxanthellae, 47. Cone-shaped, 48. Molecular, 49. Shallow, 50. mollusks, 51. diverse, 52. discovery, 53. poked

54. The snake's _____ is highly toxic and can be fatal to humans.
- n.* a toxic substance produced by an animal, typically a snake or insect, and injected into prey or an enemy by biting or stinging
55. The _____ trees are known for their ability to survive in saltwater and sandy soil.
- n.* a tropical coastal tree or shrub that grows in saline soil and has prop roots that help to stabilize it
56. The fish's _____ are necessary for extracting oxygen from the water.
- n.* a respiratory organ of fish and some other aquatic animals that extracts dissolved oxygen from water and excretes carbon dioxide
57. The _____ between the coral and the algae is an important example of mutualism.
- n.* a close, prolonged association between two or more different species of organisms, typically to the advantage of all
58. The recipe calls for four cups of flour _____ one tablespoon.
- adj.* subtracting or taking away; having a value less than zero
59. The election was a _____ success for the Whigs.
- adj.* worthy of attention because unusual or special
60. The child couldn't resist _____ her soup loudly at the dinner table.
- v.* to eat, drink, or consume with a loud or messy sucking noise; to make a loud or messy sucking noise while eating, drinking, or consuming
61. _____ help dispose of the food waste produced by humans.
- n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes

ANSWERS: 54. venom, 55. mangrove, 56. gills, 57. symbiosis, 58. minus, 59. remarkable, 60. slurping, 61. Worms

62. This world-class _____ offers educational programs for school groups.

n. a transparent tank of water in which fish and other water animals and plants are kept; a building containing tanks of live fish of different species, especially one that is open to the public

63. This artwork is _____ of her work.

adj. having the usual characteristics or traits of a specific group of things

64. Inspectors noticed _____ cracks in the submarine's hull.

adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy

65. Excuse me if my question is _____ to the topic.

adj. having no connection; not belonging to the kinship

66. I placed my valuables in the ____ before heading out on my hike.

n. a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant

67. _____ membranes are incredibly vulnerable to damage by oxygen radicals produced as a byproduct of photochemistry.

n. a type of membrane-bound organelle that conducts photosynthesis in plant and algal cells.

68. The findings of the experiment were both _____ and unexpected.

adj. causing a lot of interest or excitement

69. A nutritious diet improves _____ functions.

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

ANSWERS: 62. aquarium, 63. typical, 64. microscopic, 65. unrelated, 66. sac, 67. Chloroplast, 68. exciting, 69. digestive

70. We had a _____ time yesterday.

adj. very great in degree or extent or amount or impact; extremely good

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

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

72. My computer has been acting _____ recently.

adj. extraordinary, unexpected, or difficult to explain

73. Most countries prohibit sexual activity between certain close _____.

adj. considered and evaluated through comparison with something else

74. _____ engineering focuses on developing new medical technologies and innovations to improve patient health outcomes.

adj. relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare

75. The _____ of hair on the cat's head stood straight in alarm.

n. a small cluster or clump of something, typically hair, grass, or feathers, that stands upright and apart from the surrounding material

76. I want a sandwich with extra _____ please.

n. a leafy vegetable that is often used as a base for salads or sandwiches; it has green leaves and a mild flavor

77. I like to take a long soak in the _____ after a long day.

n. a large, deep, round container, typically made of metal or plastic, used for washing or soaking things, especially clothes or a person's body

ANSWERS: 70. tremendous, 71. encounter, 72. weird, 73. relatives, 74. Biomedical, 75. tuft, 76. lettuce, 77. tub

78. The robot can accurately _____ construction material.

v. to specify or determine the exact position of someone or something

79. She showed great _____ when standing up for her beliefs in opposition.

n. the spinal column of a vertebrate; a symbolic representation of strength and resilience

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

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

81. They _____ admired our actions.

adv. to an extraordinary extent or degree; very much

82. All peaceful cooperation is based _____ on mutual trust.

adv. mainly

83. 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

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

adv. without restriction or limitation; completely or utterly

85. The _____ digs through the sand to a significant depth.

n. a marine mollusk that burrows and lives on sand or mud, the shell closes with viselike firmness

86. Don't _____ your mosquito bites.

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

ANSWERS: 78. locate, 79. backbone, 80. laboratory, 81. greatly, 82. primarily, 83. structure, 84. absolutely, 85. clam, 86. scratch

87. The beautiful _____ swayed gently in the ocean current.

- n.* a type of flowering plant that has bright, showy flowers and typically blooms in the spring; a marine creature that resembles flowers but has oral rings of tentacles

88. 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

89. They utilized branches of trees as _____.

- n.* an outward appearance that conceals the underlying essence of something; the way of concealing troops or military equipment so they cannot be seen against the surrounding environment

90. I love collecting _____ on the beach and displaying them in a jar at home.

- n.* a type of shell that once housed a mollusk, typically found on beaches or in shallow water

91. He experienced nausea after eating live _____.

- n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)

92. The military _____ between the two countries created tension in the international community.

- n.* the state of a cooperative relationship between people or groups, especially in business

93. The new building is truly _____ towering over the surrounding buildings.

- adj.* extremely large and impressive

ANSWERS: 87. anemones, 88. stick, 89. camouflage, 90. seashells, 91. octopus, 92. partnership, 93. colossal,

94. Radiation from _____ has a different wavelength.

n. the light emitted by the sun; the rays of the sun

95. The classification of _____ is constantly evolving as new species are discovered, and genetic studies provide new insights into their evolutionary relationships.

n. a type of invertebrate animal with a segmented body, jointed limbs, and an exoskeleton, including insects, spiders, crustaceans, and centipedes

96. 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

97. These _____ are more prevalent above a certain latitude.

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

98. Shakespeare's output of poetry was _____.

adj. extremely large or great

99. The company's hiring criteria emphasize personality, not a person's _____.

n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

100. 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

101. _____ storm Marco is making his way along the coast of Florida.

adj. originating in, located in, or characteristic of the tropics

ANSWERS: 94. sunlight, 95. arthropods, 96. biology, 97. insects, 98. enormous, 99. background, 100. cellular, 101. Tropical

102. Most babies can readily _____ a wide variety of foods.
v. to transform food into absorbable substances; break down
103. She sang _____ in the talent show and won first place.
adv. in a manner that is extremely or unbelievably good, impressive, or bizarre; in a fanciful or imaginative way
104. She's studying _____ at university and hopes to work at a zoo someday.
n. the scientific study of animals, including their classification, habits, behavior, physiology, and evolution
105. The _____ of the earth is divided into several layers including the crust, mantle, and core.
n. a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity
106. In _____ plants use carbon dioxide to feed themselves.
n. the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
107. _____ utilizes sunlight to create sugars.
n. any of a group of green pigments found in photosynthetic organisms
108. The outermost electron _____ determines the chemical properties of an atom.
n. hard outer covering or case of eggs, nuts, some seeds, and some animals
109. The tiny marine _____ has existed for more than 500 million years.
n. a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning

ANSWERS: 102. digest, 103. fantastically, 104. zoology, 105. sphere, 106. photosynthesis, 107. Chlorophyll, 108. shell, 109. sponge

110. Many people see the _____ of traveling as an opportunity to experience new cultures and broaden their horizons.
- n.* the positive aspect or potential of something; the upper side of something
111. Bees _____ as a defense mechanism when they feel threatened.
- v.* to cause a sharp, painful sensation or injury with a poison, venom, or other substance or by a physical action such as a bite or prick
112. Detectives are still attempting to _____ the mystery of his death.
- v.* undo twisted, knitted, or woven threads by separating it
113. Trees absorb _____ dioxide and give off oxygen.
- n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
114. Lead is an effective _____ against X-rays, gamma rays, and other harmful radiation.
- n.* a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves
115. Some _____ species are capable of asexual reproduction, allowing them to colonize new environments rapidly.
- n.* a type of simple, soft-bodied invertebrate animal with a flat, ribbon-like shape, including tapeworms and planarians
116. Many fish populations have been severely _____ leading to a decline in their numbers.
- adj.* referring to a natural resource, particularly a plant or animal, that has been harvested or collected beyond its sustainable capacity

ANSWERS: 110. upside, 111. sting, 112. unravel, 113. carbon, 114. shield, 115. flatworm, 116. overharvested,

117. Management must take _____ responsibility for the accident.

adj. furthest or highest in degree or order

118. I want to _____ my sadness into strength.

v. to have a talk with someone; (adjective) reversed in order, relation, or action

119. Many _____ species are important in soil ecology, where they help to break down organic matter and recycle nutrients.

n. a type of mollusk with a lung-like breathing organ found commonly in freshwater and terrestrial habitats

120. The vessel ran aground on a _____.

n. a long chain or range of rocks or sand near the ocean's surface

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

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

122. The _____ of the cell shows detailed structures that the naked eye cannot see.

n. a photograph or image that has been taken through a microscope or magnifying lens, typically used for scientific or medical purposes

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

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

124. She still _____ writes a short romance novel.

adv. now and then; sometimes but not often

ANSWERS: 117. ultimate, 118. convert, 119. pulmonate, 120. reef, 121. diversity, 122. micrograph, 123. breath, 124. occasionally

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

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

126. The treatments were done but, _____ were unsuccessful.

- adv.* by bad luck; unluckily

127. A giraffe is an _____ that primarily eats leaves and twigs.

- n.* an animal that eats only plants, such as a cow or a deer

128. _____ has jammed the inlet to the water turbine.

- n.* A simple plant that grows in or near water and lacks typical leaves and roots

129. Maximum heart rates _____ a lot for each individual.

- v.* to become different in terms of size, shape, etc.

ANSWERS: 125. capture, 126. unfortunately, 127. herbivore, 128. Algae, 129. vary