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Vocabulary Builder Reference from...

Jack Horner: Building a dinosaur from a chicken |

TED Talk

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

All Words

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Session 1: Word List

paleontology

n. the study of fossils and the history of life on Earth

synonym: fossilology, prehistoric biology

(1) vertebrate **paleontology**, (2) **paleontology** museum

My interest in **paleontology** research began when I visited a natural history museum and saw a display of fossils from the Jurassic period.

dinosaur

n. a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin

synonym: reptile, beast, monster

(1) hulking **dinosaur**, (2) **dinosaur** fossil

The discovery of a new **dinosaur** species made headlines in the scientific community.

pet

n. an animal that you have at home as a companion and treated kindly

(1) a **pet** bird, (2) a teacher's **pet**

I have a parrot as a **pet**.

strive

v. to try very hard to do, achieve, or obtain something

synonym: preserve, endure, persist

(1) **strive** hard to get, (2) **strive** for excellence

They **strived** to make their dream come true.

fortunate

adj. having good luck or lucky

synonym : fortuitous, lucky, blessed

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

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

extreme

adj. very great in amount or degree

synonym : farthestmost, outermost, fierce

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

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

dyslexia

n. a neurological condition that affects a person's ability to read, write, and spell, often despite normal or above-average intelligence, effective teaching, and adequate motivation, which is characterized by difficulty in the phonological coding of written words, poor phonological awareness, and poor reading fluency and decoding skills

synonym : reading disability, word blindness, dysgraphia

(1) student with **dyslexia**, (2) diagnosis of **dyslexia**

Educators need to understand how **dyslexia** affects students' reading abilities.

wander

v. to walk around slowly or to a place, often without any clear purpose or direction

synonym : ramble, roam, stroll

(1) **wander** alone in a strange country, (2) **wander** far from home

I often **wander** around the park for half an hour.

hemisphere

n. half of the terrestrial globe; half of a sphere

(1) northern **hemisphere**, (2) cerebral **hemisphere**

This weather pattern is unique to the southern **hemisphere**.

nest

n. a structure in which animals lay their eggs or give birth to their young

synonym : roost, perch, burrow

(1) bird's **nest**, (2) a **nest** of thieves

The female birds build a **nest** and lay their eggs in May.

embryo

n. an animal organism in the early stages of growth, either in its mother's womb or in an egg, or a plant that is developing in a seed

synonym : fetus, seed, origin

(1) destruction of human **embryos**, (2) **embryo** cloning

Our latest project is still at the **embryo** stage.

massive

adj. enormous amount; very heavy and solid

synonym : enormous, giant, immense

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

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

accumulation

n. an amount of something obtained via natural growth or addition

synonym : accretion, pileup, upsurge

(1) **accumulation** of wealth, (2) **accumulation** effect

Accumulation of fuel discounts is common practice among many retailers.

reptile

n. a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles

synonym : lizard, serpent, snake

(1) **reptile** exhibition, (2) fossil **reptile**

Alligators are a type of **reptile** that live in swamps and rivers.

hypothesis

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

synonym : assumption, conjecture, theory

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

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

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**.

colony

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

synonym: settlement, territory, plantation

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

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

gigantic

adj. extremely large

synonym: huge, enormous, immense

(1) **gigantic** proportions, (2) **gigantic** monsters

He was so hungry from the long journey that he had a **gigantic** appetite.

herd

n. a group of animals of the same type that live or are kept together as livestock

synonym: flock, brood, horde

(1) **herd** of cattle, (2) the common **herd**

He was riding **herd** on the sheep during the day.

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**.

juvenile

adj. relating to or characteristic of youth or young people; immature

synonym: youthful, boyish, childlike

(1) exhibit **juvenile** behavior, (2) **juvenile** justice

The detective suspected that the vandalism was the work of **juvenile** delinquents.

recognize

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

synonym: acknowledge, identify, admit

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

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

chase

v. to pursue something or someone to catch or capture them; to go after something vigorously or with determination; (noun) a pursuit or a hunt; a narrow groove or channel cut into a surface, often used for decorative purposes

synonym: pursue, hunt, track

(1) **chase** a dream, (2) wild goose **chase**

The police officer **chased** the suspect through the crowded streets until they finally caught him.

attract

v. to draw or entice someone or something towards them through the qualities they have, especially positive ones

synonym: lure, entice, draw in

(1) **attract** attention, (2) **attract** customers

The government is eager to **attract** international investment.

depict

v. to illustrate someone or something in a photograph

synonym: illustrate, describe, express

(1) **depict** a scene, (2) **depict** a feeling of isolation

His son had accurately **depicted** the bloom.

creature

n. a living being, especially an animal

synonym: being, animal, organism

(1) **creature** of habit, (2) artificial **creature**

The deep sea **creature** was unlike anything the scientists had ever seen before.

theme

n. a subject or topic of discourse or artistic representation
synonym : subject, topic, motif

(1) **theme** park, (2) central **theme**

The **theme** of the novel is the corrupting influence of power.

assume

v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

synonym : guess, presume, suppose

(1) **assume** a lousy attitude to his boss, (2) **assume** an important role

The following example **assumes** that the capacity of each battery is the same.

petrify

v. to turn to stone; to make hard and unyielding

synonym : fossilize, mineralize, calcify

(1) **petrify** with fear, (2) **petrify** into stone

The thought of public speaking will **petrify** her.

sap

v. to gradually weaken or drain strength, energy, or resources; to undermine or impair someone's confidence or morale

synonym : weaken, exhaust, drain

(1) **sap** flow, (2) **sap** strength

The disease has **sapped** all his energy, and he can barely get out of bed.

amber

n. a hard, translucent, yellow-orange or brownish-yellow fossil resin that is used in jewelry and ornamentation and often contains insects or other small organisms that were trapped inside when the resin was sticky; also used to describe the color that resembles this type of resin

synonym : resin, fossilized tree sap, golden stone

(1) **amber** resin, (2) **amber** ale

The bracelet was made of beautiful **amber** stones.

bloodsucker

n. a small animal that feeds on blood, like a leech or a mosquito; a person who is seen as exploiting or taking advantage of others

synonym : leech, tick, parasite

(1) **bloodsucker** mosquito, (2) political **bloodsucker**

The lobbyist was accused of being a **bloodsucker**, using his influence to push through policies that only benefited his clients.

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.

drill

n. a tool or machine used for making round holes or driving fasteners; a training or practice

synonym : exercise, routine, training

(1) the **drill** hit the well, (2) fire **drill**

Several military **drill** programs have become popular methods of exercise.

obvious

adj. easy to see, discover or understand

synonym : apparent, conspicuous, evident

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

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

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**.

clone

n. a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation

synonym : duplicate, imitation, reproduction

(1) **clone** embryo, (2) recombinant **clone**

He is like an exact **clone** of his brother.

inject

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

synonym : shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

ostrich

n. a large flightless bird native to Africa with a long neck, legs, and bill

synonym : bird, flightless bird

(1) **ostrich** eggs, (2) **ostrich** feathers

The farmers raise **ostriches** for their meat, eggs, and feathers.

behold

v. to look at and observe with attention

synonym : see, observe, watch

(1) **behold** the sunrise, (2) a joy to **behold**

His angry expression was not a pleasant sight to **behold**.

conspire

v. to plan or plot together secretly, especially with an evil or unlawful purpose

synonym : plot, scheme, collude

(1) **conspire** his ruin, (2) **conspire** to corner the market

The group of friends **conspired** to pull a prank on their teacher.

mosquito

n. a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

synonym : insect, bug, flea

(1) **mosquito** bite, (2) **mosquito** repellent

A stagnant water area are breeding ground for **mosquitos**.

probable

adj. likely to happen or likely to be true

synonym : likely, possible, potential

(1) **probable** outcome, (2) **probable** cause of a fire

It seems **probable** that he has forgotten our scheduled meeting.

bunch

n. a grouping of several similar things which are growing or fastened together

synonym : group, assemblage, bundle

(1) a **bunch** of trees, (2) a **bunch** of schoolgirls

One bad apple spoils the whole **bunch**.

grant

v. to agree to give or allow somebody

synonym : allocate, authorize, give

(1) **grant** a new license, (2) **grant** a land

The chairperson **granted** him the right to speak.

nation

n. a large organized community of people living in a particular country or region and having a particular culture

synonym : country, state, sovereign entity

(1) **nation-state**, (2) a seafaring **nation**

The **nation** of Japan is known for its unique culture and advanced technology.

foundation

n. the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes

synonym : base, support, groundwork

(1) **foundation** course, (2) weak **foundation**

The **foundation** of the building was cracked and needed to be repaired.

attempt

n. an act or effort of trying to do something, especially something difficult

synonym: endeavor, effort, try

(1) the **attempt** to rescue the hostages, (2) a reckless **attempt**

The third **attempt** was far more successful.

extract

n. a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

synonym: excerpt, quote, distillation

(1) a brief **extract** from the book, (2) botanical **extract**

Anesthetize the gum before **extracting** the teeth.

specimen

n. an individual example or sample of something, typically used to represent a larger group or category

synonym: example, sample, model

(1) **specimen** collection, (2) botanical **specimen**

The biology teacher showed the students a frog **specimen** so they could examine its anatomy.

doctoral

adj. of or relating to doctorate (= the highest degree from a university) or the achievement of a doctorate

synonym: doctoral

(1) **doctoral** program, (2) **doctoral** research

She is pursuing a **doctoral** degree in psychology to become a licensed therapist.

stud

n. a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support

synonym: beam, scantling, framing

(1) horse **stud**, (2) wall **stud**

He bought a new **stud** to attach the strap to his watch.

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**.

thigh

n. the part of the human leg between the hip and the knee; in animals, the corresponding upper part of the hind leg

synonym: thigh-bone, femur, upper leg

(1) **thigh** muscle, (2) chicken **thigh**

The marathon runner felt a cramp in her **thigh** at the 20th mile.

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.

circular

adj. shaped like a circle; having a round form

synonym: round, loopy, oblique

(1) **circular** economy, (2) non- **circular** orbit

The **circular** shape of the planet makes it difficult to determine which direction is north.

hem

n. the edge or border of a piece of cloth, typically sewn to prevent fraying or unraveling; a small margin or border around something; (verb) to fold the edge of a piece of fabric and sew it down to create a neat and secure finish

synonym: edge, border, margin

(1) the **hem** of a dress, (2) **hem** the skirt

The **hem** length of her dress was perfect for the evening event.

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.

hemoglobin

n. a protein-based molecule found in red blood cells that transports oxygen throughout the body

synonym: red cell pigment, oxygen carrier

(1) **hemoglobin** level, (2) abnormal **hemoglobin**

The **hemoglobin** gene mutation can cause genetic disorders such as sickle cell disease.

hell

n. the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place

synonym: inferno, agony, misery

(1) run like **hell**, (2) **hell** broke loose

The battlefield became **hell** on earth.

creek

n. a small, narrow stream or waterway; a narrow, winding passage between cliffs or hills

synonym: brook, stream, rivulet

(1) **creek** bed, (2) a dry **creek**

The sound of the babbling **creek** provided a soothing backdrop for campers and outdoor enthusiasts.

undertaking

n. a task, business, assignment, or project, especially one that is essential or challenging

synonym: task, effort, enterprise

(1) great **undertaking**, (2) public welfare **undertaking**

Project planning for software development is never an easy **undertaking**.

hop

v. to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.

synonym : jump, bounce, skip

(1) **hop** on one foot, (2) **hop** from one place to another

The rabbit **hopped** over the fence.

cubic

adj. having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit

synonym : three-dimensional, boxlike, cubical

(1) **cubic** meter, (2) **cubic** structure

The package was a **cubic** shape, which made it easier to stack on the shelf.

determinant

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

synonym : cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

arrest

v. to take into custody

synonym : capture, detain, imprison

(1) **arrest** the thief, (2) **arrest** the progress

A police officer has the authority to **arrest** a criminal.

medulla

n. the innermost part of an organ or structure, especially the spinal cord or brainstem; part of the brain responsible for controlling vital bodily functions such as breathing and heart rate

synonym : brainstem, spinal cord

(1) adrenal **medulla**, (2) **medulla** function

The **medulla** oblongata regulates vital functions such as breathing and heart rate.

tissue

n. an ensemble of similar cells of the animal or plant that together carry out a specific function

synonym: structure, texture, anatomy

(1) a facial **tissue**, (2) loss of muscle **tissue**

The researcher separated the nervous **tissue** for microscopic examinations.

calcium

n. a chemical element with the symbol Ca and atomic number 20, which is an important mineral for the human body

synonym: Ca, lime, chalk

(1) **calcium** deficiency, (2) ion of **calcium**

The patient was prescribed a **calcium** supplement to help prevent osteoporosis.

buildup

n. the accumulation or increase of something over time

synonym: accumulation, increase, growth

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

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

storage

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

synonym: storehouse, depository, warehousing

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

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

pregnant

adj. having a baby or young animal developing in the uterus

synonym: expectant

(1) needs of **pregnant** women, (2) a silence **pregnant** with suspense

She vacated the position when she got **pregnant**.

dump

v. to deposit or dispose of something, such as trash, waste, etc., carelessly or hurriedly

synonym: throw away, dispose

(1) **dump** the gravel on the road, (2) **dump** hazardous waste

The company **dumped** him after several years of service.

acid

n. sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials

synonym: sour

(1) an **acid** reaction, (2) good source of essential amino **acids**

During pregnancy, the stomach generates less **acid** than usual.

fossilized

adj. transformed into a fossil (= something preserved in rock for a very long period) or preserved in the form of a fossil; antiquated or inflexible

synonym: petrified, ossified, preserved

(1) obsolete **fossilized** ways, (2) a **fossilized** grove

The dinosaur bones were so old that they had been wholly **fossilized**, turning to stone over millions of years.

vessel

n. a ship or large boat

synonym: boat, ship, craft

(1) blood **vessels**, (2) naval **vessels**

The **vessel** arrived in port the following day.

flexible

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

synonym: adaptable, elastic, pliable

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

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

extraordinary

adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual

synonym: exceptional, noteworthy, astonishing

(1) **extraordinary** ability, (2) **extraordinary** weather

He narrated the **extraordinary** story of his adventure.

osteocyte

n. a specialized bone cell that is embedded in the mineralized matrix of bone tissue, responsible for the maintenance, repair, and remodeling of bone

synonym: bone cell, mineralized tissue

(1) **osteocyte** function, (2) mature **osteocyte**

The network of **osteocytes** within the bone tissue allows for the exchange of nutrients and waste products.

protein

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

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

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

deteriorate

v. to become worse in quality; to decline or degenerate

synonym: decline, degenerate, regress

(1) **deteriorate** at a slow pace, (2) **deteriorate** condition

The patient's health **deteriorated** rapidly after being diagnosed with the disease.

trail

n. a path or track roughly through a countryside, mountain, or forest area, often made or used for a particular purpose; (verb) to lag or linger behind

synonym: footpath, track, course

(1) a warm **trail**, (2) follow the **trail**

The storm left a **trail** of destruction behind it.

collagen

n. a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues

synonym: gelatin, protein, tissue

(1) **collagen** supplement, (2) **collagen** production
Our natural **collagen** production decreases as we age, leading to wrinkles, sagging skin, and joint pain.

classify

v. to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties

synonym: categorize, sort, arrange

(1) **classify** images, (2) **classify** emails into folders
I need to **classify** these documents for the upcoming audit.

avian

adj. relating to or characteristic of birds

synonym: bird-like, feathered, winged

(1) **avian** influenza, (2) **avian** habitat

The expert on **avian** species studied the behavior of different types of birds.

clunky

adj. heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement

synonym: clumsy, bulky, burdensome

(1) **clunky** phrasing, (2) **clunky** robot

Refined character portrayal makes up for **clunky** gameplay.

extinct

adj. no longer in existence

synonym: dead, obsolete, abolished

(1) **extinct** by human activity, (2) long- **extinct** volcano

Many species have become **extinct** due to habitat destruction and other human activities.

modern

adj. of or belonging to the present time or recent times

synonym: contemporary, stylish, current

(1) **modern** poetry, (2) pre- **modern** agricultural society

Their headquarters are in a **modern** skyscraper.

grade

n. a particular level of quality, size, importance, etc.
synonym : score, rate, degree

(1) boys in the twelfth **grade**, (2) students at all **grade** levels
Departments may set requirements for a higher **grade** point average.

Velociraptor

n. a small-to-medium-sized predatory dinosaur that lived during the Cretaceous period, known for its distinctive sickle-shaped claws and its agile and swift nature
synonym : raptor, dinosaur, predator

(1) fossilized **Velociraptor**, (2) hunting **Velociraptor**
The museum's newest exhibit features a complete **Velociraptor** skeleton, drawing crowds of eager paleontology enthusiasts.

argue

v. to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
synonym : debate, dispute, quarrel

(1) **argue** a case, (2) **argue** passionately
The couple began to **argue** over which restaurant to go to for dinner.

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.

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.

modification

n. the act of changing something, usually to improve it, or something changed

synonym: change, amendment, alteration

(1) a **modification** of last year's model, (2) further **modification**

As a result of this **modification**, we have revised our safety measures.

definitely

adv. without any question and beyond doubt; clearly

synonym: absolutely, certainly, indeed

(1) **definitely** become a problem, (2) say **definitely**

The paper is **definitely** worth reading thoroughly.

genetic

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

synonym: hereditary, genetical, inborn

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

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

transgenic

adj. relating to or characterized by the transfer of genes from one species to another, typically done in genetic engineering and biotechnology

synonym: genetically modified, altered, engineered

(1) **transgenic** organism, (2) **transgenic** technology

The **transgenic** crops were genetically modified to be resistant to pests.

gene

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

synonym: factor, cistron

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

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

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.

glow

v. to give out a steady, strong light

synonym : shine, radiate, beam

(1) **glow** a pale orange, (2) **glow** gold in the light

The sun was setting, and the sky **glowed** with beautiful colors.

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.

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.

zebrafish

n. a small tropical fish species (*Danio rerio*) originating from Southeast Asia, commonly used in scientific research due to their transparent embryos, regenerative abilities, and genetic similarities to humans

synonym : danio rerio, zebrafish model

(1) **zebrafish** larvae, (2) **zebrafish** genome

Researchers often create **zebrafish** mutants to model and study human genetic disorders.

puffy

adj. swollen or distended, especially with air or gas;
synonym : swollen, distended, inflated

(1) **puffy** off-shore winds, (2) **puffy** eyes

His cheeks looked **puffy** after he overate junk food.

satisfy

v. to make somebody pleased by giving them what they want or need

synonym : please, amuse, meet

(1) **satisfy** a desire, (2) **satisfy** a user's needs

Did this response **satisfy** your request?

atavism

n. the reappearance or recurrence of a trait, characteristic, or behavior that is typical of a remote ancestor and not present in the immediate parent or recent ancestors; a throwback to an earlier or ancestral form

synonym : throwback, regression, reversion

(1) genetic **atavism**, (2) **atavism** trait

Modern architects sometimes incorporate **atavism** into their designs by reintroducing ancient building techniques.

activate

v. make something start working, more active or dynamic

synonym : mobilize, stimulate, initiate

(1) **activate** a receptor, (2) **activate** a motor

You must **activate** the software with a 16-digit key before you can use it.

ancestral

adj. related to or connected with members of your family from the past

synonym : hereditary, inherited, patrimonial

(1) an **ancestral** graveyard, (2) **ancestral** roots

The **ancestral** home has been in the family for generations.

characteristic

n. a typical feature or quality that can identify, tell apart, or describe something or somebody

synonym : feature, quality, attribute

(1) stripes **characteristic** of the zebra, (2) my friend's **characteristic** laugh

Bananas have their **characteristic** taste and odor.

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.

fellow

adj. someone who has the same job or interests as you, or is in the same class, profession, or situation as you

synonym : buddy, mate, affiliate

(1) junior **fellow**, (2) nice **fellow**

He is the kind of **fellow** who only works for his success.

stimulate

v. to encourage something to develop or become more active; to stir the feelings or emotions

synonym : excite, provoke, arouse

(1) **stimulate** the economy, (2) **stimulate** the nervous system

The book **stimulated** my imagination.

chick

n. a baby bird, especially a young chicken

synonym : biddy, fledgling, nestling

(1) baby **chick**, (2) **chick** sorting

The majority of the **chicks** are raised on local family farms.

glowing

adj. highly enthusiastic; greatly praised

synonym : burning, bright, flaming

(1) **glowing** reviews, (2) **glowing** cheeks

The western sky was **glowing** pink.

genesis

n. the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind

synonym : beginning, creation, provenance

(1) the **genesis** of civilization, (2) in the Book of **Genesis**

The politician's remarks became the **genesis** of the clash between the two countries.

develop

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

synonym: evolve, progress, advance

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

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

transformation

- n. a complete change in form, nature, or appearance of someone or something

synonym: change, conversion, renewal

- (1) the **transformation** of a tadpole into a frog, (2) cast a **transformation** spell

Understanding unitary **transformations** of a normal matrix require considerable mathematical sophistication.

reverse

- v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

synonym: overturn, shift, switch

- (1) **reverse** the trend, (2) **reverse** the order

The restaurant **reversed** a ban on smoking.

claw

- n. a curved, pointed appendage found on the foot or leg of an animal, used for gripping or grasping; a human hand with long, narrow fingers that are curved like a claw; a machine or tool with a claw-like opening used for gripping or lifting objects

synonym: paw, talon, nail

- (1) **claw** marks, (2) **claw** hammer

The bear used its **claw** to catch a fish in the river.

archaeopteryx

n. a prehistoric bird that lived during the late Jurassic period and is considered an intermediate fossil between ancient non-avian dinosaurs and modern birds

synonym : prehistoric bird, ancient bird, dinosaur-bird

(1) **archaeopteryx** specimen, (2) **archaeopteryx** skeleton

The discovery of the **Archaeopteryx** fossil provided groundbreaking evidence of the link between reptiles and birds.

primitive

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

synonym : elementary, naive, rudimental

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

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

pigeon

n. a stout-bodied bird with a small head, short legs, and a short, cooing call, typically found in cities and domesticated for food

(1) a racing **pigeon**, (2) **pigeon** on the roof

The **pigeon** perched on the windowsill, pecking at the bread crumbs left for it.

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.

digit

n. one of the elements that collectively form a system of numeration; a finger, thumb, or toe

synonym : number, integer, numeral

(1) **digit** identifier, (2) the **digit** in the hundreds place

We must enter a six- **digit** number to unlock the safe.

fuse

n. a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied

from heat

synonym : (verb) melt, (verb) blend

(1) **fuse** blows, (2) **fuse** with one another

He has a short **fuse**.

hatch

v. to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage

synonym : incubate, breed, produce

(1) **hatch** a plan, (2) **hatch** a baby chick

The eggs began to **hatch**, and the small chicks emerged.

rudimentary

adj. relating to basic facts or principles; fundamental

synonym : essential, fundamental, elementary

(1) a **rudimentary** plant, (2) **rudimentary** understanding

He has only a **rudimentary** knowledge of this topic.

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**.

reabsorption

n. the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation

(1) **reabsorption** of water, (2) glucose **reabsorption**

The tubules are responsible for the **reabsorption** of sodium once filtered by the kidneys.

rid

v. to make someone or something free of unwanted or unpleasant tasks, objects, or person

synonym : do away with, free, clear

(1) get **rid** of the rats, (2) **rid** the body of waste products

We must **rid** ourselves of pollution.

modify

v. to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

synonym : adjust, alter, revise

(1) genetically **modify** food, (2) **modify** my behavior

We use adverbs to **modify** verbs and adjectives.

frank

adj. honest and sincere; open and candid in expression

synonym : candid, direct, freehearted

(1) **frank** and open discussion, (2) make a **frank** apology

Full involvement means **frank** and prompt responses.

colonel

n. a military rank above a lieutenant colonel and below a general

synonym : officer, military, ranking officer

(1) **colonel** rank, (2) brevet **colonel**

The Army **colonel** led the troops into battle.

advertise

v. to draw attention to something such as a product, service, or event in public to encourage people to buy, use, or attend it

synonym : publicize, announce, promote

(1) **advertise** the campaign, (2) **advertise** on social media

We want to **advertise** our company through your media.

poster

n. a large sheet or picture that is placed either on a public space to promote or announce something or on a wall to decorate it

synonym : banner, billboard, sign

(1) eye-catching **posters**, (2) a wanted **poster**

We noticed a **poster** advertising a bargain.

entertainment

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

synonym : amusement, recreation, enjoyment

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

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

casino.

Session 2: Spelling

1. at____t customers *v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones
2. human ev_____on *n.* a gradual process of transformation of living things
3. ac____te a receptor *v.* make something start working, more active or dynamic
4. co____l rank *n.* a military rank above a lieutenant colonel and below a general
5. a det_____nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
6. gr__t a land *v.* to agree to give or allow somebody
7. pe____y into stone *v.* to turn to stone; to make hard and unyielding
8. co____en supplement *n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues
9. genetically mo____y food *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

ANSWERS: 1. attract, 2. evolution, 3. activate, 4. colonel, 5. determinant, 6. grant, 7. petrify, 8. collagen, 9. modify

10. ar___t the progress *v.* to take into custody
11. cell and molecular bi____y *n.* the scientific study of life and the natural processes of living things
12. hem_____in level *n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body
13. av__n influenza *adj.* relating to or characteristic of birds
14. re_____e the order *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
15. cl___y robot *adj.* heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement
16. os_____h feathers *n.* a large flightless bird native to Africa with a long neck, legs, and bill
17. ex_____e weather events *adj.* very great in amount or degree
18. lactic acid bu_____p *n.* the accumulation or increase of something over time
19. pr_____le cause of a fire *adj.* likely to happen or likely to be true
20. sa_____y a user's needs *v.* to make somebody pleased by giving them what they want or need
21. det_____te condition *v.* to become worse in quality; to decline or degenerate
22. ecology and evo_____ary biology *adj.* relating to or denoting how living things develop or change from earlier forms
23. ha__h a baby chick *v.* to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage

ANSWERS: 10. arrest, 11. biology, 12. hemoglobin, 13. avian, 14. reverse, 15. clunky, 16. ostrich, 17. extreme, 18. buildup, 19. probable, 20. satisfy, 21. deteriorate, 22. evolutionary, 23. hatch

24. weak fou_____on
- n.* the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes
25. bird's n__t
- n.* a structure in which animals lay their eggs or give birth to their young
26. occ_____lly change the routine
- adv.* now and then; sometimes but not often
27. ex_____t by human activity
- adj.* no longer in existence
28. ext_____ary weather
- adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
29. am__r resin
- n.* a hard, translucent, yellow-orange or brownish-yellow fossil resin that is used in jewelry and ornamentation and often contains insects or other small organisms that were trapped inside when the resin was sticky; also used to describe the color that resembles this type of resin
30. am__r ale
- n.* a hard, translucent, yellow-orange or brownish-yellow fossil resin that is used in jewelry and ornamentation and often contains insects or other small organisms that were trapped inside when the resin was sticky; also used to describe the color that resembles this type of resin

ANSWERS: 24. foundation, 25. nest, 26. occasionally, 27. extinct, 28. extraordinary, 29. amber, 30. amber

31. the ge____s of civilization *n.* the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind
32. di__t identifier *n.* one of the elements that collectively form a system of numeration; a finger, thumb, or toe
33. fossilized Vel____tor *n.* a small-to-medium-sized predatory dinosaur that lived during the Cretaceous period, known for its distinctive sickle-shaped claws and its agile and swift nature
34. co____re his ruin *v.* to plan or plot together secretly, especially with an evil or unlawful purpose
35. a brief ex____t from the book *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (*v.*) to obtain from something or to remove something by effort or force
36. hulking di____ur *n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
37. d__p hazardous waste *v.* to deposit or dispose of something, such as trash, waste, etc., carelessly or hurriedly
38. re____ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

ANSWERS: 31. genesis, 32. digit, 33. Velociraptor, 34. conspire, 35. extract, 36. dinosaur, 37. dump, 38. recognize

39. mo___n poetry *adj.* of or belonging to the present time or recent times
40. collaborate with co_____ues *n.* one of a group of a coworker, especially in a profession or a business
41. fr__k and open discussion *adj.* honest and sincere; open and candid in expression
42. re_____ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
43. pr_____ve society *adj.* of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style
44. g__w a pale orange *v.* to give out a steady, strong light
45. tra_____ic organism *adj.* relating to or characterized by the transfer of genes from one species to another, typically done in genetic engineering and biotechnology
46. arc_____ryx specimen *n.* a prehistoric bird that lived during the late Jurassic period and is considered an intermediate fossil between ancient non-avian dinosaurs and modern birds
47. th__h muscle *n.* the part of the human leg between the hip and the knee; in animals, the corresponding upper part of the hind leg
48. stress pr_____n *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues

ANSWERS: 39. modern, 40. colleague, 41. frank, 42. recognize, 43. primitive, 44. glow, 45. transgenic, 46. archaeopteryx, 47. thigh, 48. protein

49. a wanted po___r *n.* a large sheet or picture that is placed either on a public space to promote or announce something or on a wall to decorate it
50. junior fe___w *adj.* someone who has the same job or interests as you, or is in the same class, profession, or situation as you
51. a teacher's p_t *n.* an animal that you have at home as a companion and treated kindly
52. je_____sh sting *n.* a marine creature with a soft, jelly-like body and tentacles for stinging
53. st_____te the nervous system *v.* to encourage something to develop or become more active; to stir the feelings or emotions
54. follow the tr__l *n.* a path or track roughly through a countryside, mountain, or forest area, often made or used for a particular purpose; (verb) to lag or linger behind
55. make a fr__k apology *adj.* honest and sincere; open and candid in expression
56. horse s__d *n.* a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support
57. the state of being we__d *adj.* extraordinary, unexpected, or difficult to explain

ANSWERS: 49. poster, 50. fellow, 51. pet, 52. jellyfish, 53. stimulate, 54. trail, 55. frank, 56. stud, 57. weird

58. d__p the gravel on the road *v.* to deposit or dispose of something, such as trash, waste, etc., carelessly or hurriedly
59. public welfare und_____ng *n.* a task, business, assignment, or project, especially one that is essential or challenging
60. det_____te at a slow pace *v.* to become worse in quality; to decline or degenerate
61. a silence pr_____nt with suspense *adj.* having a baby or young animal developing in the uterus
62. a fl_____le wire *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
63. destruction of human em___os *n.* an animal organism in the early stages of growth, either in its mother's womb or in an egg, or a plant that is developing in a seed
64. be___d the sunrise *v.* to look at and observe with attention
65. de_____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
66. in___t under the skin *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
67. occ_____lly dine with friends *adv.* now and then; sometimes but not often

ANSWERS: 58. dump, 59. undertaking, 60. deteriorate, 61. pregnant, 62. flexible, 63. embryo, 64. behold, 65. develop, 66. inject, 67. occasionally

68. h__l broke loose *n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
69. me_____a function *n.* the innermost part of an organ or structure, especially the spinal cord or brainstem; part of the brain responsible for controlling vital bodily functions such as breathing and heart rate
70. say def_____ly *adv.* without any question and beyond doubt; clearly
71. pu__y off-shore winds *adj.* swollen or distended, especially with air or gas;
72. wall s__d *n.* a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support
73. wild goose ch__e *v.* to pursue something or someone to catch or capture them; to go after something vigorously or with determination; (noun) a pursuit or a hunt; a narrow groove or channel cut into a surface, often used for decorative purposes
74. re_____ve factors *adj.* considered and evaluated through comparison with something else

ANSWERS: 68. hell, 69. medulla, 70. definitely, 71. puffy, 72. stud, 73. chase, 74. relative

75. vertebrate pal_____ogy *n.* the study of fossils and the history of life on Earth
76. 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
77. gi_____ic proportions *adj.* extremely large
78. test my hyp_____is *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
79. obsolete fos_____ed ways *adj.* transformed into a fossil (= something preserved in rock for a very long period) or preserved in the form of a fossil; antiquated or inflexible
80. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
81. co_____re to corner the market *v.* to plan or plot together secretly, especially with an evil or unlawful purpose
82. cu__c meter *adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
83. fossil re_____e *n.* a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles
84. mo_____to repellent *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

ANSWERS: 75. paleontology, 76. discovery, 77. gigantic, 78. hypothesis, 79. fossilized, 80. laboratory, 81. conspire, 82. cubic, 83. reptile, 84. mosquito

85. ar__e a case *v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
86. a n__t of thieves *n.* a structure in which animals lay their eggs or give birth to their young
87. h_p on one foot *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
88. blood ve___ls *n.* a ship or large boat
89. botanical sp____en *n.* an individual example or sample of something, typically used to represent a larger group or category
90. g__e expression *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
91. ma_____e stars *adj.* enormous amount; very heavy and solid
92. a p_t bird *n.* an animal that you have at home as a companion and treated kindly
93. sp____en collection *n.* an individual example or sample of something, typically used to represent a larger group or category
94. his conclusion was ob____s *adj.* easy to see, discover or understand
95. de___t a scene *v.* to illustrate someone or something in a photograph
96. ad_____se the campaign *v.* to draw attention to something such as a product, service, or event in public to encourage people to buy, use, or attend it

ANSWERS: 85. argue, 86. nest, 87. hop, 88. vessel, 89. specimen, 90. gene, 91. massive, 92. pet, 93. specimen, 94. obvious, 95. depict, 96. advertise

97. an an_____al graveyard *adj.* related to or connected with members of your family from the past
98. chicken th__h *n.* the part of the human leg between the hip and the knee; in animals, the corresponding upper part of the hind leg
99. sa_____y a desire *v.* to make somebody pleased by giving them what they want or need
100. def_____ly become a problem *adv.* without any question and beyond doubt; clearly
101. 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
102. st___e for excellence *v.* to try very hard to do, achieve, or obtain something
103. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
104. diagnosis of dy_____ia *n.* a neurological condition that affects a person's ability to read, write, and spell, often despite normal or above-average intelligence, effective teaching, and adequate motivation, which is characterized by difficulty in the phonological coding of written words, poor phonological awareness, and poor reading fluency and decoding skills
105. in___t biology *n.* any small creature that has six legs and a body divided into three sections

ANSWERS: 97. ancestral, 98. thigh, 99. satisfy, 100. definitely, 101. structure, 102. strive, 103. determinant, 104. dyslexia, 105. insect

106. ju____le justice *adj.* relating to or characteristic of youth or young people; immature
107. naval ve___ls *n.* a ship or large boat
108. pr____le outcome *adj.* likely to happen or likely to be true
109. c__w hammer *n.* a curved, pointed appendage found on the foot or leg of an animal, used for gripping or grasping; a human hand with long, narrow fingers that are curved like a claw; a machine or tool with a claw-like opening used for gripping or lifting objects
110. a co___y of bacteria *n.* a country or an area that is governed by a more powerful country that is often far away
111. an a__d reaction *n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials
112. mo_____to bite *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
113. pr_____n synthesis *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
114. 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

ANSWERS: 106. juvenile, 107. vessel, 108. probable, 109. claw, 110. colony, 111. acid, 112. mosquito, 113. protein, 114. stick

115. mo___y my behavior *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
116. the at_____t to rescue the hostages *n.* an act or effort of trying to do something, especially something difficult
117. pu___y eyes *adj.* swollen or distended, especially with air or gas;
118. northern hem_____re *n.* half of the terrestrial globe; half of a sphere
119. 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
120. pi___n on the roof *n.* a stout-bodied bird with a small head, short legs, and a short, cooing call, typically found in cities and domesticated for food
121. a racing pi___n *n.* a stout-bodied bird with a small head, short legs, and a short, cooing call, typically found in cities and domesticated for food
122. a joy to be___d *v.* to look at and observe with attention
123. acc_____ion of wealth *n.* an amount of something obtained via natural growth or addition
124. a remote re_____ve *adj.* considered and evaluated through comparison with something else
125. the evo_____ary process *adj.* relating to or denoting how living things develop or change from earlier forms

ANSWERS: 115. modify, 116. attempt, 117. puffy, 118. hemisphere, 119. structure, 120. pigeon, 121. pigeon, 122. behold, 123. accumulation, 124. relative, 125. evolutionary

126. acc_____ion effect *n.* an amount of something obtained via natural growth or addition
127. in___t a personal opinion into a debate *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
128. a fos_____ed grove *adj.* transformed into a fossil (= something preserved in rock for a very long period) or preserved in the form of a fossil; antiquated or inflexible
129. cerebral hem_____re *n.* half of the terrestrial globe; half of a sphere
130. a ge_____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
131. arc_____ryx skeleton *n.* a prehistoric bird that lived during the late Jurassic period and is considered an intermediate fossil between ancient non-avian dinosaurs and modern birds
132. rud_____ry understanding *adj.* relating to basic facts or principles; fundamental
133. in the Book of Ge_____s *n.* the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind
134. co___l ornament *n.* a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
135. get r_d of the rats *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person

ANSWERS: 126. accumulation, 127. inject, 128. fossilized, 129. hemisphere, 130. genetic, 131. archaeopteryx, 132. rudimentary, 133. genesis, 134. coral, 135. rid

136. a bu__h of schoolgirls *n.* a grouping of several similar things which are growing or fastened together
137. plant a co___y *n.* a country or an area that is governed by a more powerful country that is often far away
138. the h_m of a dress *n.* the edge or border of a piece of cloth, typically sewn to prevent fraying or unraveling; a small margin or border around something; (verb) to fold the edge of a piece of fabric and sew it down to create a neat and secure finish
139. wa___r far from home *v.* to walk around slowly or to a place, often without any clear purpose or direction
140. r_d the body of waste products *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person
141. ci_____ar economy *adj.* shaped like a circle; having a round form
142. less fo_____te person *adj.* having good luck or lucky
143. st_____te the economy *v.* to encourage something to develop or become more active; to stir the feelings or emotions
144. do_____al program *adj.* of or relating to doctorate (= the highest degree from a university) or the achievement of a doctorate
145. 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

ANSWERS: 136. bunch, 137. colony, 138. hem, 139. wander, 140. rid, 141. circular, 142. fortunate, 143. stimulate, 144. doctoral, 145. background

146. good source of essential amino
a__ds *n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials
147. cl__e embryo *n.* a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation
148. artificial cr____re *n.* a living being, especially an animal
149. ad_____se on social media *v.* to draw attention to something such as a product, service, or event in public to encourage people to buy, use, or attend it
150. th__e park *n.* a subject or topic of discourse or artistic representation
151. glucose rea_____ion *n.* the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation
152. ch__k sorting *n.* a baby bird, especially a young chicken
153. gl_____g cheeks *adj.* highly enthusiastic; greatly praised
154. os_____h eggs *n.* a large flightless bird native to Africa with a long neck, legs, and bill
155. a bold hyp_____is *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate

ANSWERS: 146. acid, 147. clone, 148. creature, 149. advertise, 150. theme, 151. reabsorption, 152. chick, 153. glowing, 154. ostrich, 155. hypothesis

156. gr__t a new license *v.* to agree to give or allow somebody
157. the di__t in the hundreds place *n.* one of the elements that collectively form a system of numeration; a finger, thumb, or toe
158. at_____m trait *n.* the reappearance or recurrence of a trait, characteristic, or behavior that is typical of a remote ancestor and not present in the immediate parent or recent ancestors; a throwback to an earlier or ancestral form
159. wa___r alone in a strange country *v.* to walk around slowly or to a place, often without any clear purpose or direction
160. re_____e exhibition *n.* a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles
161. a dry cr__k *n.* a small, narrow stream or waterway; a narrow, winding passage between cliffs or hills
162. great und_____ng *n.* a task, business, assignment, or project, especially one that is essential or challenging
163. pal_____ogy museum *n.* the study of fossils and the history of life on Earth
164. s_p strength *v.* to gradually weaken or drain strength, energy, or resources; to undermine or impair someone's confidence or morale
165. as___e a lousy attitude to his boss *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

ANSWERS: 156. grant, 157. digit, 158. atavism, 159. wander, 160. reptile, 161. creek, 162. undertaking, 163. paleontology, 164. sap, 165. assume

166. cr__k bed *n.* a small, narrow stream or waterway; a narrow, winding passage between cliffs or hills
167. former co_____ue *n.* one of a group of a coworker, especially in a profession or a business
168. pe_____y with fear *v.* to turn to stone; to make hard and unyielding
169. students at all gr__e levels *n.* a particular level of quality, size, importance, etc.
170. do_____al research *adj.* of or relating to doctorate (= the highest degree from a university) or the achievement of a doctorate
171. have ge_____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
172. recombinant cl__e *n.* a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation
173. ze_____sh genome *n.* a small tropical fish species (*Danio rerio*) originating from Southeast Asia, commonly used in scientific research due to their transparent embryos, regenerative abilities, and genetic similarities to humans
174. 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

ANSWERS: 166. creek, 167. colleague, 168. petrify, 169. grade, 170. doctoral, 171. genetic, 172. clone, 173. zebrafish, 174. discovery

175. evolutionary bi____y *n.* the scientific study of life and the natural processes of living things
176. spineless je_____sh *n.* a marine creature with a soft, jelly-like body and tentacles for stinging
177. ev_____on theory *n.* a gradual process of transformation of living things
178. anthropology lab_____ry *n.* a workplace for doing scientific research or teaching science; a lab
179. political blo_____er *n.* a small animal that feeds on blood, like a leech or a mosquito; a person who is seen as exploiting or taking advantage of others
180. run like h__l *n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
181. a reckless at_____t *n.* an act or effort of trying to do something, especially something difficult
182. h_m the skirt *n.* the edge or border of a piece of cloth, typically sewn to prevent fraying or unraveling; a small margin or border around something; (verb) to fold the edge of a piece of fabric and sew it down to create a neat and secure finish
183. an elegant ent_____ent *n.* public shows, films, television, or other performances or activities of enjoying people

ANSWERS: 175. biology, 176. jellyfish, 177. evolution, 178. laboratory, 179. bloodsucker, 180. hell, 181. attempt, 182. hem, 183. entertainment

184. gl____g reviews *adj.* highly enthusiastic; greatly praised
185. cr____re of habit *n.* a living being, especially an animal
186. gi____ic monsters *adj.* extremely large
187. ch__e a dream *v.* to pursue something or someone to catch or capture them; to go after something vigorously or with determination; (noun) a pursuit or a hunt; a narrow groove or channel cut into a surface, often used for decorative purposes
188. co__l island *n.* a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
189. a st____e battery *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
190. abnormal hem____in *n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body
191. the tra_____ion of a tadpole into a frog *n.* a complete change in form, nature, or appearance of someone or something
192. nice fe___w *adj.* someone who has the same job or interests as you, or is in the same class, profession, or situation as you
193. 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

ANSWERS: 184. glowing, 185. creature, 186. gigantic, 187. chase, 188. coral, 189. storage, 190. hemoglobin, 191. transformation, 192. fellow, 193. stick

194. the common h__d *n.* a group of animals of the same type that live or are kept together as livestock
195. brevet co____l *n.* a military rank above a lieutenant colonel and below a general
196. ion of ca____m *n.* a chemical element with the symbol Ca and atomic number 20, which is an important mineral for the human body
197. s_p flow *v.* to gradually weaken or drain strength, energy, or resources; to undermine or impair someone's confidence or morale
198. 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
199. central th__e *n.* a subject or topic of discourse or artistic representation
200. cl____fy images *v.* to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties
201. st____e hard to get *v.* to try very hard to do, achieve, or obtain something
202. av__n habitat *adj.* relating to or characteristic of birds
203. mature os____te *n.* a specialized bone cell that is embedded in the mineralized matrix of bone tissue, responsible for the maintenance, repair, and remodeling of bone

ANSWERS: 194. herd, 195. colonel, 196. calcium, 197. sap, 198. background, 199. theme, 200. classify, 201. strive, 202. avian, 203. osteocyte

204. os_____te function *n.* a specialized bone cell that is embedded in the mineralized matrix of bone tissue, responsible for the maintenance, repair, and remodeling of bone
205. eye-catching po____rs *n.* a large sheet or picture that is placed either on a public space to promote or announce something or on a wall to decorate it
206. f__e with one another *n.* a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat
207. ha__h a plan *v.* to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage
208. boys in the twelfth gr__e *n.* a particular level of quality, size, importance, etc.
209. botanical ex____t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
210. a warm tr__l *n.* a path or track roughly through a countryside, mountain, or forest area, often made or used for a particular purpose; (verb) to lag or linger behind

ANSWERS: 204. osteocyte, 205. poster, 206. fuse, 207. hatch, 208. grade, 209. extract, 210. trail

211. in___t antenna *n.* any small creature that has six legs and a body divided into three sections
212. h__d of cattle *n.* a group of animals of the same type that live or are kept together as livestock
213. a we__d dress *adj.* extraordinary, unexpected, or difficult to explain
214. hunting Vel_____tor *n.* a small-to-medium-sized predatory dinosaur that lived during the Cretaceous period, known for its distinctive sickle-shaped claws and its agile and swift nature
215. ac_____te a motor *v.* make something start working, more active or dynamic
216. de_____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
217. st_____e at low temperature *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
218. long-ex_____t volcano *adj.* no longer in existence
219. stripes cha_____tic of the zebra *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody

ANSWERS: 211. insect, 212. herd, 213. weird, 214. Velociraptor, 215. activate, 216. develop, 217. storage, 218. extinct, 219. characteristic

220. ext_____ary ability *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
221. a seafaring na___n *n.* a large organized community of people living in a particular country or region and having a particular culture
222. rea_____ion of water *n.* the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation
223. ob_____s reasons *adj.* easy to see, discover or understand
224. pre-mo___n agricultural society *adj.* of or belonging to the present time or recent times
225. loss of muscle ti___e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
226. f___e blows *n.* a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat
227. genetic at_____m *n.* the reappearance or recurrence of a trait, characteristic, or behavior that is typical of a remote ancestor and not present in the immediate parent or recent ancestors; a throwback to an earlier or ancestral form
228. adrenal me_____a *n.* the innermost part of an organ or structure, especially the spinal cord or brainstem; part of the brain responsible for controlling vital bodily functions such as breathing and heart rate

ANSWERS: 220. extraordinary, 221. nation, 222. reabsorption, 223. obvious, 224. modern, 225. tissue, 226. fuse, 227. atavism, 228. medulla

229. non-ci_____ar orbit	<i>adj.</i> shaped like a circle; having a round form
230. further mod_____ion	<i>n.</i> the act of changing something, usually to improve it, or something changed
231. an_____al roots	<i>adj.</i> related to or connected with members of your family from the past
232. exhibit ju_____le behavior	<i>adj.</i> relating to or characteristic of youth or young people; immature
233. cl____y phrasing	<i>adj.</i> heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement
234. ar____t the thief	<i>v.</i> to take into custody
235. fl_____le schedules	<i>adj.</i> able to change or be changed to suit new conditions or situations; able to bend easily
236. a rud_____ry plant	<i>adj.</i> relating to basic facts or principles; fundamental
237. huge military bu_____p	<i>n.</i> the accumulation or increase of something over time
238. at_____t attention	<i>v.</i> to draw or entice someone or something towards them through the qualities they have, especially positive ones
239. g__w gold in the light	<i>v.</i> to give out a steady, strong light
240. ca_____m deficiency	<i>n.</i> a chemical element with the symbol Ca and atomic number 20, which is an important mineral for the human body
241. cl_____fy emails into folders	<i>v.</i> to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties

ANSWERS: 229. circular, 230. modification, 231. ancestral, 232. juvenile, 233. clunky, 234. arrest, 235. flexible, 236. rudimentary, 237. buildup, 238. attract, 239. glow, 240. calcium, 241. classify

242. na___n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
243. fire dr__l *n.* a tool or machine used for making round holes or driving fasteners; a training or practice
244. fo_____te situation *adj.* having good luck or lucky
245. a bu__h of trees *n.* a grouping of several similar things which are growing or fastened together
246. blo_____er mosquito *n.* a small animal that feeds on blood, like a leech or a mosquito; a person who is seen as exploiting or taking advantage of others
247. ar__e passionately *v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
248. cu__c structure *adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
249. ex_____e sports *adj.* very great in amount or degree
250. c__w marks *n.* a curved, pointed appendage found on the foot or leg of an animal, used for gripping or grasping; a human hand with long, narrow fingers that are curved like a claw; a machine or tool with a claw-like opening used for gripping or lifting objects
251. the dr__l hit the well *n.* a tool or machine used for making round holes or driving fasteners; a training or practice

ANSWERS: 242. nation, 243. drill, 244. fortunate, 245. bunch, 246. bloodsucker, 247. argue, 248. cubic, 249. extreme, 250. claw, 251. drill

252. student with dy_____ia *n.* a neurological condition that affects a person's ability to read, write, and spell, often despite normal or above-average intelligence, effective teaching, and adequate motivation, which is characterized by difficulty in the phonological coding of written words, poor phonological awareness, and poor reading fluency and decoding skills
253. ma_____e amounts *adj.* enormous amount; very heavy and solid
254. a facial ti_____e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
255. artifact of a pr_____ve humankind *adj.* of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style
256. re_____e the trend *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
257. di_____ur fossil *n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
258. as_____e an important role *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
259. needs of pr_____nt women *adj.* having a baby or young animal developing in the uterus

ANSWERS: 252. dyslexia, 253. massive, 254. tissue, 255. primitive, 256. reverse, 257. dinosaur, 258. assume, 259. pregnant

260. baby ch__k *n.* a baby bird, especially a young chicken
261. tra_____ic technology *adj.* relating to or characterized by the transfer of genes from one species to another, typically done in genetic engineering and biotechnology
262. h_p from one place to another *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
263. em___o cloning *n.* an animal organism in the early stages of growth, either in its mother's womb or in an egg, or a plant that is developing in a seed
264. de___t a feeling of isolation *v.* to illustrate someone or something in a photograph
265. g__e cloning *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
266. a mod_____ion of last year's model *n.* the act of changing something, usually to improve it, or something changed
267. fou_____on course *n.* the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes
268. hour of ent_____ent *n.* public shows, films, television, or other performances or activities of enjoying people

ANSWERS: 260. chick, 261. transgenic, 262. hop, 263. embryo, 264. depict, 265. gene, 266. modification, 267. foundation, 268. entertainment

269. my friend's cha_____tic laugh *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
270. ze_____sh larvae *n.* a small tropical fish species (Danio rerio) originating from Southeast Asia, commonly used in scientific research due to their transparent embryos, regenerative abilities, and genetic similarities to humans
271. cast a tra_____ion spell *n.* a complete change in form, nature, or appearance of someone or something
272. co_____en production *n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues

ANSWERS: 269. characteristic, 270. zebrafish, 271. transformation, 272. collagen

Session 3: Fill in the Blanks

1. Educators need to understand how _____ affects students' reading abilities.
 - n.* a neurological condition that affects a person's ability to read, write, and spell, often despite normal or above-average intelligence, effective teaching, and adequate motivation, which is characterized by difficulty in the phonological coding of written words, poor phonological awareness, and poor reading fluency and decoding skills
2. He was pretty _____ to pass the exam.
 - adj.* having good luck or lucky
3. The patient was prescribed a _____ supplement to help prevent osteoporosis.
 - n.* a chemical element with the symbol Ca and atomic number 20, which is an important mineral for the human body
4. The eggs began to _____ and the small chicks emerged.
 - v.* to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage
5. Modern architects sometimes incorporate _____ into their designs by reintroducing ancient building techniques.
 - n.* the reappearance or recurrence of a trait, characteristic, or behavior that is typical of a remote ancestor and not present in the immediate parent or recent ancestors; a throwback to an earlier or ancestral form
6. We use adverbs to _____ verbs and adjectives.
 - v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

ANSWERS: 1. dyslexia, 2. fortunate, 3. calcium, 4. hatch, 5. atavism, 6. modify

7. Their headquarters are in a _____ skyscraper.

adj. of or belonging to the present time or recent times

8. We must ____ ourselves of pollution.

v. to make someone or something free of unwanted or unpleasant tasks, objects, or person

9. The marathon runner felt a cramp in her _____ at the 20th mile.

n. the part of the human leg between the hip and the knee; in animals, the corresponding upper part of the hind leg

10. The bear used its _____ to catch a fish in the river.

n. a curved, pointed appendage found on the foot or leg of an animal, used for gripping or grasping; a human hand with long, narrow fingers that are curved like a claw; a machine or tool with a claw-like opening used for gripping or lifting objects

11. You must _____ the software with a 16-digit key before you can use it.

v. make something start working, more active or dynamic

12. The researcher separated the nervous _____ for microscopic examinations.

n. an ensemble of similar cells of the animal or plant that together carry out a specific function

13. Solar gravity creates _____ pressures and temperatures.

adj. very great in amount or degree

14. The _____ perched on the windowsill, pecking at the bread crumbs left for it.

n. a stout-bodied bird with a small head, short legs, and a short, cooing call, typically found in cities and domesticated for food

ANSWERS: 7. modern, 8. rid, 9. thigh, 10. claw, 11. activate, 12. tissue, 13. extreme, 14. pigeon

15. My interest in _____ research began when I visited a natural history museum and saw a display of fossils from the Jurassic period.
- n.* the study of fossils and the history of life on Earth
16. Project planning for software development is never an easy _____.
- n.* a task, business, assignment, or project, especially one that is essential or challenging
17. The government is eager to _____ international investment.
- v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones
18. The discovery of a new _____ species made headlines in the scientific community.
- n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
19. This weather pattern is unique to the southern _____.
- n.* half of the terrestrial globe; half of a sphere
20. Most countries prohibit sexual activity between certain close _____.
- adj.* considered and evaluated through comparison with something else
21. The following example _____ that the capacity of each battery is the same.
- v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
22. The rabbit _____ over the fence.
- v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.

ANSWERS: 15. paleontology, 16. undertaking, 17. attract, 18. dinosaur, 19. hemisphere, 20. relatives, 21. assumes, 22. hopped

23. 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
24. We store customer data in cloud _____.
- n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
25. A defective _____ is responsible for the disease.
- n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
26. Animal protection groups call for an end to animal testing in a _____.
- n.* a workplace for doing scientific research or teaching science; a lab
27. Let's try to _____ a bit of enthusiasm into your performance.
- v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
28. The deep sea _____ was unlike anything the scientists had ever seen before.
- n.* a living being, especially an animal
29. The _____ of stress over time can lead to health problems.
- n.* the accumulation or increase of something over time
30. You _____ a bill in the change machine, and the coins pop out.
- v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

ANSWERS: 23. jellyfish, 24. storage, 25. gene, 26. laboratory, 27. inject, 28. creature, 29. buildup, 30. stick

31. Understanding unitary _____ of a normal matrix require considerable mathematical sophistication.
n. a complete change in form, nature, or appearance of someone or something
32. He was so hungry from the long journey that he had a _____ appetite.
adj. extremely large
33. She is pursuing a _____ degree in psychology to become a licensed therapist.
adj. of or relating to doctorate (= the highest degree from a university) or the achievement of a doctorate
34. The recent economic downturn has resulted in _____ layoffs.
adj. enormous amount; very heavy and solid
35. Understanding protein folding is a vital step in deciphering the _____ code.
adj. of or relating to genes (= parts of the DNA in cells) or the science of genes
36. The ____ length of her dress was perfect for the evening event.
n. the edge or border of a piece of cloth, typically sewn to prevent fraying or unraveling; a small margin or border around something; (verb) to fold the edge of a piece of fabric and sew it down to create a neat and secure finish
37. Full involvement means _____ and prompt responses.
adj. honest and sincere; open and candid in expression
38. 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

ANSWERS: 31. transformations, 32. gigantic, 33. doctoral, 34. massive, 35. genetic, 36. hem, 37. frank, 38. structure

39. The _____ of Japan is known for its unique culture and advanced technology.
n. a large organized community of people living in a particular country or region and having a particular culture
40. The _____ crops were genetically modified to be resistant to pests.
adj. relating to or characterized by the transfer of genes from one species to another, typically done in genetic engineering and biotechnology
41. The biology teacher showed the students a frog _____ so they could examine its anatomy.
n. an individual example or sample of something, typically used to represent a larger group or category
42. The battlefield became _____ on earth.
n. the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
43. You can be more _____ and creative in your approach.
adj. able to change or be changed to suit new conditions or situations; able to bend easily
44. The museum's newest exhibit features a complete _____ skeleton, drawing crowds of eager paleontology enthusiasts.
n. a small-to-medium-sized predatory dinosaur that lived during the Cretaceous period, known for its distinctive sickle-shaped claws and its agile and swift nature
45. She vacated the position when she got _____.
adj. having a baby or young animal developing in the uterus

ANSWERS: 39. nation, 40. transgenic, 41. specimen, 42. hell, 43. flexible, 44. Velociraptor, 45. pregnant

46. Refined character portrayal makes up for _____ gameplay.

adj. heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement

47. Our natural _____ production decreases as we age, leading to wrinkles, sagging skin, and joint pain.

n. a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues

48. The network of _____ within the bone tissue allows for the exchange of nutrients and waste products.

n. a specialized bone cell that is embedded in the mineralized matrix of bone tissue, responsible for the maintenance, repair, and remodeling of bone

49. As a result of this _____ we have revised our safety measures.

n. the act of changing something, usually to improve it, or something changed

50. 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

51. It seems _____ that he has forgotten our scheduled meeting.

adj. likely to happen or likely to be true

52. The female birds build a _____ and lay their eggs in May.

n. a structure in which animals lay their eggs or give birth to their young

53. _____ 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

ANSWERS: 46. clunky, 47. collagen, 48. osteocytes, 49. modification, 50. biology, 51. probable, 52. nest, 53. Evolutionary

54. We must _____ a new system to streamline our workflow and increase efficiency.
- v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
55. Departments may set requirements for a higher _____ point average.
- n.* a particular level of quality, size, importance, etc.
56. 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
57. The _____ home has been in the family for generations.
- adj.* related to or connected with members of your family from the past
58. The tubules are responsible for the _____ of sodium once filtered by the kidneys.
- n.* the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation
59. Alligators are a type of _____ that live in swamps and rivers.
- n.* a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles
60. They study the _____ of the universe.
- n.* a gradual process of transformation of living things
61. The restaurant _____ a ban on smoking.
- v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

ANSWERS: 54. develop, 55. grade, 56. colleague, 57. ancestral, 58. reabsorption, 59. reptile, 60. evolution, 61. reversed

62. The _____ declared its independence and became a republic.

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

63. The bracelet was made of beautiful _____ stones.

n. a hard, translucent, yellow-orange or brownish-yellow fossil resin that is used in jewelry and ornamentation and often contains insects or other small organisms that were trapped inside when the resin was sticky; also used to describe the color that resembles this type of resin

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

adj. easy to see, discover or understand

65. The politician's remarks became the _____ of the clash between the two countries.

n. the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind

66. The storm left a _____ of destruction behind it.

n. a path or track roughly through a countryside, mountain, or forest area, often made or used for a particular purpose; (verb) to lag or linger behind

67. The detective suspected that the vandalism was the work of _____ delinquents.

adj. relating to or characteristic of youth or young people; immature

68. The paper is _____ worth reading thoroughly.

adv. without any question and beyond doubt; clearly

ANSWERS: 62. colony, 63. amber, 64. obvious, 65. genesis, 66. trail, 67. juvenile, 68. definitely

69. They _____ to make their dream come true.
v. to try very hard to do, achieve, or obtain something
70. The _____ of the novel is the corrupting influence of power.
n. a subject or topic of discourse or artistic representation
71. The _____ shape of the planet makes it difficult to determine which direction is north.
adj. shaped like a circle; having a round form
72. His son had accurately _____ the bloom.
v. to illustrate someone or something in a photograph
73. This evidence supports the big-bang _____.
n. a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
74. The couple began to _____ over which restaurant to go to for dinner.
v. to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
75. The police officer _____ the suspect through the crowded streets until they finally caught him.
v. to pursue something or someone to catch or capture them; to go after something vigorously or with determination; (noun) a pursuit or a hunt; a narrow groove or channel cut into a surface, often used for decorative purposes
76. The _____ gene mutation can cause genetic disorders such as sickle cell disease.
n. a protein-based molecule found in red blood cells that transports oxygen throughout the body

ANSWERS: 69. strived, 70. theme, 71. circular, 72. depicted, 73. hypothesis, 74. argue, 75. chased, 76. hemoglobin

77. The farmers raise _____ for their meat, eggs, and feathers.
n. a large flightless bird native to Africa with a long neck, legs, and bill
78. He was riding _____ on the sheep during the day.
n. a group of animals of the same type that live or are kept together as livestock
79. 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
80. I have a parrot as a _____.
n. an animal that you have at home as a companion and treated kindly
81. I often _____ around the park for half an hour.
v. to walk around slowly or to a place, often without any clear purpose or direction
82. He has a short _____.
n. a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat
83. Our latest project is still at the _____ stage.
n. an animal organism in the early stages of growth, either in its mother's womb or in an egg, or a plant that is developing in a seed
84. He narrated the _____ story of his adventure.
adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual

ANSWERS: 77. ostriches, 78. herd, 79. background, 80. pet, 81. wander, 82. fuse, 83. embryo, 84. extraordinary

85. A stagnant water area are breeding ground for _____.
- n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
86. Several military _____ programs have become popular methods of exercise.
- n.* a tool or machine used for making round holes or driving fasteners; a training or practice
87. The _____ of the building was cracked and needed to be repaired.
- n.* the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes
88. His angry expression was not a pleasant sight to _____.
- v.* to look at and observe with attention
89. The sun was setting, and the sky _____ with beautiful colors.
- v.* to give out a steady, strong light
90. These _____ are more prevalent above a certain latitude.
- n.* any small creature that has six legs and a body divided into three sections
91. The Army _____ led the troops into battle.
- n.* a military rank above a lieutenant colonel and below a general
92. The _____ arrived in port the following day.
- n.* a ship or large boat

ANSWERS: 85. mosquitos, 86. drill, 87. foundation, 88. behold, 89. glowed, 90. insects, 91. colonel, 92. vessel

93. She still _____ writes a short romance novel.

adv. now and then; sometimes but not often

94. The package was a _____ shape, which made it easier to stack on the shelf.

adj. having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit

95. 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

96. He is like an exact _____ of his brother.

n. a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation

97. I need to _____ these documents for the upcoming audit.

v. to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties

98. The industry in this country is still _____.

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

99. The _____ oblongata regulates vital functions such as breathing and heart rate.

n. the innermost part of an organ or structure, especially the spinal cord or brainstem; part of the brain responsible for controlling vital bodily functions such as breathing and heart rate

ANSWERS: 93. occasionally, 94. cubic, 95. coral, 96. clone, 97. classify, 98. primitive, 99. medulla

100. Many species have become _____ due to habitat destruction and other human activities.

adj. no longer in existence

101. We want to _____ our company through your media.

v. to draw attention to something such as a product, service, or event in public to encourage people to buy, use, or attend it

102. Researchers often create _____ mutants to model and study human genetic disorders.

n. a small tropical fish species (*Danio rerio*) originating from Southeast Asia, commonly used in scientific research due to their transparent embryos, regenerative abilities, and genetic similarities to humans

103. The disease has _____ all his energy, and he can barely get out of bed.

v. to gradually weaken or drain strength, energy, or resources; to undermine or impair someone's confidence or morale

104. The majority of the _____ are raised on local family farms.

n. a baby bird, especially a young chicken

105. The dinosaur bones were so old that they had been wholly _____ turning to stone over millions of years.

adj. transformed into a fossil (= something preserved in rock for a very long period) or preserved in the form of a fossil; antiquated or inflexible

106. The lobbyist was accused of being a _____ using his influence to push through policies that only benefited his clients.

n. a small animal that feeds on blood, like a leech or a mosquito; a person who is seen as exploiting or taking advantage of others

ANSWERS: 100. extinct, 101. advertise, 102. zebrafish, 103. sapped, 104. chicks, 105. fossilized, 106. bloodsucker,

107. The company _____ him after several years of service.

v. to deposit or dispose of something, such as trash, waste, etc., carelessly or hurriedly

108. He is the kind of _____ who only works for his success.

adj. someone who has the same job or interests as you, or is in the same class, profession, or situation as you

109. Bananas have their _____ taste and odor.

n. a typical feature or quality that can identify, tell apart, or describe something or somebody

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

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

111. He has only a _____ knowledge of this topic.

adj. relating to basic facts or principles; fundamental

112. One bad apple spoils the whole _____.

n. a grouping of several similar things which are growing or fastened together

113. His cheeks looked _____ after he overate junk food.

adj. swollen or distended, especially with air or gas;

114. The hotel is famous for its _____ including the casino.

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

ANSWERS: 107. dumped, 108. fellow, 109. characteristic, 110. recognize, 111. rudimentary, 112. bunch, 113. puffy, 114. entertainment,

115. Did this response _____ your request?

- v. to make somebody pleased by giving them what they want or need

116. We must enter a six-_____ number to unlock the safe.

- n. one of the elements that collectively form a system of numeration; a finger, thumb, or toe

117. The discovery of the _____ fossil provided groundbreaking evidence of the link between reptiles and birds.

- n. a prehistoric bird that lived during the late Jurassic period and is considered an intermediate fossil between ancient non-avian dinosaurs and modern birds

118. The third _____ was far more successful.

- n. an act or effort of trying to do something, especially something difficult

119. The patient's health _____ rapidly after being diagnosed with the disease.

- v. to become worse in quality; to decline or degenerate

120. The group of friends _____ to pull a prank on their teacher.

- v. to plan or plot together secretly, especially with an evil or unlawful purpose

121. We noticed a _____ advertising a bargain.

- n. a large sheet or picture that is placed either on a public space to promote or announce something or on a wall to decorate it

122. The chairperson _____ him the right to speak.

- v. to agree to give or allow somebody

ANSWERS: 115. satisfy, 116. digit, 117. Archaeopteryx, 118. attempt, 119. deteriorated, 120. conspired, 121. poster, 122. granted

123. The thought of public speaking will _____ her.

v. to turn to stone; to make hard and unyielding

124. _____ of fuel discounts is common practice among many retailers.

n. an amount of something obtained via natural growth or addition

125. 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

126. My computer has been acting _____ recently.

adj. extraordinary, unexpected, or difficult to explain

127. A police officer has the authority to _____ a criminal.

v. to take into custody

128. One _____ of success is having a positive attitude and a strong work ethic.

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

129. The expert on _____ species studied the behavior of different types of birds.

adj. relating to or characteristic of birds

130. The sound of the babbling _____ provided a soothing backdrop for campers and outdoor enthusiasts.

n. a small, narrow stream or waterway; a narrow, winding passage between cliffs or hills

ANSWERS: 123. petrify, 124. Accumulation, 125. discovery, 126. weird, 127. arrest, 128. determinant, 129. avian, 130. creek

131. The western sky was _____ pink.

adj. highly enthusiastic; greatly praised

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

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

133. Anesthetize the gum before _____ the teeth.

n. a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

134. He bought a new _____ to attach the strap to his watch.

n. a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support

135. During pregnancy, the stomach generates less _____ than usual.

n. sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials

136. The book _____ my imagination.

v. to encourage something to develop or become more active; to stir the feelings or emotions

ANSWERS: 131. glowing, 132. protein, 133. extracting, 134. stud, 135. acid, 136. stimulated