

Englist.me



Vocabulary Builder Reference from...

Susan Freitas and Darren Parker: How does this all-female species reproduce? | TED Talk

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

All Words

IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

Session 1: Word List

aquarium

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

synonym: fish tank, water tank, aqua park

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

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

stun

v. to make a person or an animal unconscious or dizzy, especially by hitting them on the head; to make someone surprised or shocked greatly

synonym: shock, amaze, astound

(1) **stun** fish, (2) **stun** an audience

This sprinter **stunned** the world with his speed.

shark

n. a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest

synonym: swindler, con artist, crook

(1) a man-eating **shark**, (2) card **shark**

He borrowed money from a loan **shark**.

shock

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

synonym : amazement, surprise, stunner

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

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

entirely

adv. completely

synonym : completely, fully, totally

(1) **entirely** satisfied with the meal, (2) he was **entirely** to blame

Later, his claim was found to be **entirely** false.

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.

curiosity

n. a strong desire to know or learn about something

synonym : interest, inquisitiveness, novelty

(1) boundless **curiosity**, (2) satisfy my intellectual **curiosity**

We are motivated by **curiosity** rather than necessity.

lizard

n. a reptile that has a relatively long body, two pairs of legs, and a tapering tail

(1) giant **lizard**, (2) **lizard** leather

The **lizard's** tail regenerates if severed.

chromosome

n. a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like

synonym : DNA

(1) a sex **chromosome**, (2) the end of **chromosome**

Human females normally have two X **chromosomes**.

viable

adj. capable of being done as intended; able to succeed
synonym : feasible, possible, attainable

(1) achieve a **viable** relationship, (2) develop a **viable** therapy

Male gorillas with good drumming skills are more **viable**.

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.

fertilize

v. to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well

synonym : pollinate, inseminate, enrich

(1) **fertilize** the soil, (2) **fertilize** the female egg

The couple decided to use the non-husband sperm to **fertilize** a wife.

sperm

n. the reproductive cell produced by a man or male animal

synonym : seed, semen, seminal fluid

(1) man with a low **sperm** count, (2) production of **sperm**

The male **sperm** fertilizes the female egg.

undergo

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

synonym : experience, suffer, endure

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

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

asexual

adj. lacking sexual organs or characteristics; not involving or characterized by sexual activity; neither male nor female in gender identity; not operating in a sexual manner or with sexual connotations

synonym : neutral, sexless, unisex

(1) **asexual** community, (2) **asexual** individual

Asexual reproduction is a common trait found in certain species of plants and animals.

reproduction

n. the process by which organisms create offspring; the production of something similar to an original work

synonym: procreation, replication, duplication

(1) **reproduction** rate, (2) **reproduction** system

The **reproduction** of the plant depends on the pollinators.

parthenogenesis

n. a form of asexual reproduction in which an unfertilized egg develops into a new individual without the need for sperm, commonly found in some species of plants, invertebrates, and in rare cases, vertebrates

synonym: asexual reproduction, virgin birth, cloning

(1) **parthenogenesis** reproduction, (2) **parthenogenesis** in insects

Some species of lizards and insects are capable of **parthenogenesis**.

virgin

n. a person who has never had sex; (adjective) being used or worked for the first time

synonym: virtuous, vestal, beginner

(1) **virgin** material, (2) enter **virgin** territory

Within a few years, no **virgin** forests will remain.

origin

n. the first existence or beginning of something

synonym: root, source, ancestor

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

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

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.

reproduce

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

synonym: duplicate, breed, imitate

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

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

vertebrate

adj. relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish

synonym: animal, chordate, backboned

(1) the muscle tissue of a **vertebrate**, (2) **vertebrate** biology

The presence of a backbone is a defining characteristic of **vertebrate** animals.

dragon

n. a mythical monster typically depicted as a giant reptile with wings, claws, and a fiery breath often portrayed as being fierce and dangerous

synonym: wyvern, serpent, drake

(1) **dragon** fruit, (2) **dragon** wing

In Chinese mythology, **dragons** are considered powerful and benevolent creatures.

turkey

n. (of an animal) a large bird with a fan-shaped tail native to North America, widely grown for food; (of a country) a Eurasian republic in Asia Minor and the Balkans

(1) swell like a **turkey**, (2) **turkey** breast meat

They prepared a stuffed **turkey** for Thanksgiving.

python

n. a nonvenomous snake found in Africa, Asia, and Australia, known for its ability to squeeze and suffocate its prey before swallowing it whole; a high-level

programming language used for various purposes, often in scientific computing and data analysis

synonym : anaconda, boa, serpent

(1) **python** species, (2) **Python** programming

The African rock **python** can eat prey as large as antelopes and crocodiles.

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.

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**.

unexpected

adj. not anticipated or regarded as likely to happen

synonym : surprising, unanticipated, incredible

(1) an **unexpected** visitor, (2) some **unexpected** events

The **unexpected** rainstorm caused the collapse of the corral.

captivity

n. the situation in which a person or animal is kept in prison or a space that they cannot escape from

synonym : confinement, detention, imprisonment

(1) escape from **captivity**, (2) animals in **captivity** in the zoo

Pandas rarely breed in **captivity**.

confirm

v. to support or establish the truth or certainty of something previously believed or suspected to be the case

synonym : affirm, verify, assure

(1) **confirm** the diagnosis, (2) **confirm** a transaction
Please write to **confirm** your reservation.

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.

slither

v. to move smoothly and sinuously, often close to the ground; to slide or crawl in a reptilian manner

synonym: slip, slide, glide

(1) **slither** about on my stomach, (2) **slither** up the tree trunk

The poisonous snake began to **slither** away from the hikers as they stepped back in fear.

population

n. the total number of people in a country, region, or location

synonym: people, inhabitants, folk

(1) **population** change, (2) labor **population**

In just four years, the **population** has doubled.

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.

analyze

v. to think about in-depth and evaluate to discover essential features or meaning

synonym: explore, examine, investigate

(1) **analyze** a chemical compound, (2) **analyze** your real motives

The teacher attempted to **analyze** the root cause of our

mistake.

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.

beneficial

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

synonym: useful, advantageous, fruitful

(1) a **beneficial** result, (2) **beneficial** to all countries

Laughing is **beneficial** to our health.

context

n. the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning

synonym: background, setting, environment

(1) historical **context**, (2) legal **context**

It's important to understand the **context** of a situation before making a decision.

drag

v. to pull or haul with force

synonym: haul, pull, draw

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

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

mating

n. the act of pairing a male and female for reproductive purposes

synonym: intercourse, copulation, procreation

(1) **mating** season, (2) **mating** behavior

Before copulating with the female, the male bird performs a **mating** dance.

associate

v. to mentally connect someone or something with someone or something else

synonym : tie in, link, consociate

(1) **associate** alcohol with gambling, (2) **associate** with people widely

The majority of consumers **associate** this brand with quality.

ritual

n. any customary observance or practice; any prescribed procedure for conducting religious ceremonies

synonym : tradition, ceremony, routine

(1) a **ritual** dance, (2) morning **ritual**

The woman of the house does the holy **ritual** of lighting two candles.

intensive

adj. involving a lot of work or activity in a short time

synonym : thorough, comprehensive, in-depth

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

The construction industry is labor **intensive**, although it has been somewhat automated by introducing large machinery.

individual

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

synonym : person, being, self

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

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

vulnerable

adj. capable of being hurt or influenced physically or mentally

synonym : susceptible, exposed, weak

(1) a **vulnerable** bridge, (2) **vulnerable** parts of the body

Infants and pregnant women are particularly **vulnerable**.

predator

n. an animal whose natural behavior is to prey on others

synonym : vulture, bloodsucker

(1) apex **predator**, (2) sexual **predators**

The native South American animals were in danger because

of the **predator's** arrival.

default

- v. to fail to fulfill an obligation or pay a debt when it is due; to fail to meet expectations or perform as required; to choose or accept a predetermined option or condition without making a deliberate selection or choice; (noun) a failure to fulfill an obligation or to meet a requirement; the pre-set or automatic settings that a system or program uses when the user has selected no other options

synonym: fail, neglect, omit

(1) **default** settings, (2) **default** on the mortgage

If you don't specify a different option, the computer will **default** to its original settings.

handy

adj. valuable and convenient; easy or ready to reach or use

synonym: clever, accessible, available

(1) a **handy-sized** bag, (2) **handy** tool

They found a **handy** place to play catch.

expand

- v. to increase or to make something greater in size, number, or importance

synonym: extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output

They hope to **expand** their business worldwide.

abundant

adj. present in great quantity

synonym: ample, plentiful, generative

(1) live an **abundant** life, (2) an **abundant** supply of water

The country has **abundant** oil and natural gas resources.

pea

- n. a small, round, green vegetable that grows in pods on a climbing plant and is eaten as a vegetable

synonym: legume, bean, pulse

(1) **pea** protein, (2) **pea** family

She shelled the **peas** and added them to the pot.

aphid

n. a tiny insect that feeds on the sap of plants and can cause damage or diseases to plants, often found in large colonies

synonym : plant louse, greenfly, blackfly

(1) **aphid** infestation, (2) **aphid** control

The **aphids** were eating all the leaves of my tomato plants.

rely

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

synonym : depend, count, lean

(1) **rely** on convenience stores, (2) **rely** entirely on him

Babies heavily **rely** on others for food.

explode

v. to burst or break open violently and noisily; to cause something to burst or break open

synonym : detonate, blast, rupture

(1) **explode** in anger, (2) **explode** in popularity

The old building **exploded** in a fiery inferno.

katydid

n. a giant, green or brown grasshopper-like insect with long antennae and wings, known for its distinctive sound produced by rubbing its legs together

synonym : bush cricket, long-horned grasshopper

(1) **katydid** sound, (2) **katydid** habitat

The **katydid's** song filled the warm summer night.

gecko

n. a small to medium-sized lizard with soft, velvety skin, short legs, and adhesive pads on the feet that allow them to climb and walk along vertical surfaces

synonym : lizard, salamander, chameleon

(1) **gecko** habitat, (2) house **gecko**

I saw a **gecko** crawling on the wall of my bedroom.

hypothesize

v. to form or present a theory or explanation without sufficient evidence; to speculate

synonym : speculate, theorize, conjecture

(1) **hypothesize** as to outcomes, (2) **hypothesize** what could have happened

Scientists **hypothesize** that the new fish species evolved to survive in deep-sea environments.

shortcoming

n. a lack or deficiency in a particular respect; a fault or defect

synonym: deficiency, fault, weakness

(1) have a serious **shortcoming**, (2) the **shortcoming** in the system

The company's main **shortcoming** was a lack of innovation.

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.

diversity

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

synonym: variety, multiplicity, variousness

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

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

mutation

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

synonym: metamorphosis, transformation, alteration

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

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

accord

n. an official agreement or treaty between two organizations, countries, etc.; (verb) allow to have

synonym : alliance, pact, agreement

(1) **accord** with public opinion, (2) binational **accord**

The organization finally signed a peace **accord**.

ratchet

n. a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement

synonym : gear, wrench, spanner

(1) **ratchet** wrench, (2) **ratchet** effect

He turned the bolt with the **ratchet**, making sure it was secure.

predict

v. to state beforehand that something will happen in the future, mainly based on knowledge or experience

synonym : forecast, anticipate, foresee

(1) **predict** the future, (2) **predict** when she will arrive

It's notoriously challenging to **predict** birth rates.

lineage

n. the ancestry of a person, group, or species

synonym : ancestry, descent, heritage

(1) maternal **lineage**, (2) **lineage** tree

Scientists traced the **lineage** of the species back millions of years by studying fossils.

accumulate

v. to collect or acquire a large number of things over a long period of time

synonym : amass, stash, earn

(1) **accumulate** cash value, (2) **accumulate** evidence

He has **accumulated** his wealth through real estate investments.

eventually

adv. finally, particularly after a long time or a lot of struggle, complications, and so on

synonym : finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed

The corporation **eventually** dominated the entire tobacco

business.

generation

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

synonym: cohort, age group, era

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

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

meltdown

n. a severe overheating of the core of a nuclear reactor resulting in the core melting and radiation escaping; a situation in which something fails or weakens suddenly or dramatically

synonym: collapse, disaster, failure

(1) **meltdown** disaster, (2) economic **meltdown**

The nuclear **meltdown** in the country was a disaster with far-reaching consequences.

compromise

v. to settle a problem or disagreement by mutual concession

synonym: agree, settle, negotiate

(1) **compromise** the matter, (2) cannot **compromise** anymore

They never **compromised** on development despite the lack of funds.

extinction

n. the complete disappearance of a species from the earth

synonym: disappearance, eradication, annihilation

(1) **extinction** prevention, (2) brink of **extinction**

The **extinction** of the dinosaurs is thought to have been caused by an asteroid impact.

process

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

synonym : procedure, method, system

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

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

unfold

v. to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown

synonym : open, spread out, expose

(1) **unfold** the story, (2) **unfold** the stroller

The mystery **unfolded** as the detectives gathered more clues.

observe

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

synonym : watch, monitor, scrutinize

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

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

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.

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.

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.

absent

adj. not present in a particular place at a particular time

synonym: missing, away, not present

(1) **absent-minded**, (2) **absent** without leave

He was **absent** from the meeting and missed all the important updates.

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**.

circumvent

v. to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle

synonym: evade, bypass, outsmart

(1) **circumvent** rules, (2) **circumvent** authority

I took a back road to work on time to **circumvent** the traffic jam.

whip

v. to hit a person or an animal severely with a thin, flexible stick with a cord or leather thong at the end, as a punishment, discipline, etc.

synonym: thrash, flog, scourge

(1) **whip** egg whites, (2) **whip** into shape

The jockey **whipped** the horse hard to take first place.

hybrid

adj. composed of different elements or mixed characters

synonym: blended, mixed, combined

(1) new **hybrid** system, (2) an interspecific **hybrid**

The mule is a **hybrid** between a male donkey and a female horse.

genome

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

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

The human **genome** contains approximately three billion chemical base pairs.

combination

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

synonym: blend, hybrid, compounding

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

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

survive

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

synonym: endure, persist, stay

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

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

rot

v. to decay, or cause something to decay, naturally and gradually

synonym: perish, decay, corrode

(1) begin to **rot**, (2) **rot** with age

Please refrigerate the meat, or it will **rot**.

fungus

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

synonym: mold, mildew, yeast

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

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

bacteria

n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

synonym : microorganism, microbe

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

Bacteria prevalent in hospitals are often resistant to antibiotics.

algae

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

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

Algae has jammed the inlet to the water turbine.

unclear

adj. poorly stated or described and therefore not easy to understand; not easy to perceive

synonym : ambiguous, fuzzy, obscure

(1) an **unclear** match, (2) in no **unclear** terms

It is important not to undertake tasks with **unclear** objectives to improve productivity.

untangle

v. to separate or straighten out something that is tangled, confused, or complicated; to clarify or make sense of something difficult to understand or explain

synonym : disentangle, unravel, decipher

(1) **untangle** a situation, (2) **untangle** a problem

I need to **untangle** this knot before using this rope piece.

mystery

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

synonym : enigma, puzzle, secret

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

The **mystery** surrounding the disappearance of the traveler has yet to be solved by authorities.

Session 2: Spelling

1. vul_____le parts of the body
adj. capable of being hurt or influenced physically or mentally
2. have ge_____c testing
adj. of or relating to genes (= parts of the DNA in cells) or the science of genes
3. 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
4. economic me_____wn
n. a severe overheating of the core of a nuclear reactor resulting in the core melting and radiation escaping; a situation in which something fails or weakens suddenly or dramatically
5. ra_____t effect
n. a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement
6. an_____e your real motives
v. to think about in-depth and evaluate to discover essential features or meaning
7. as_____l individual
adj. lacking sexual organs or characteristics; not involving or characterized by sexual activity; neither male nor female in gender identity; not operating in a sexual manner or with sexual connotations
8. pathogenic ba_____ia
n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

ANSWERS: 1. vulnerable, 2. genetic, 3. discovery, 4. meltdown, 5. ratchet, 6. analyze, 7. asexual, 8. bacteria

9. in___t antenna *n.* any small creature that has six legs and a body divided into three sections
10. in no un_____r terms *adj.* poorly stated or described and therefore not easy to understand; not easy to perceive
11. sh__k-resistant *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
12. ver_____te biology *adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish
13. binational ac___d *n.* an official agreement or treaty between two organizations, countries, etc.; (verb) allow to have
14. in___t biology *n.* any small creature that has six legs and a body divided into three sections
15. re_____ve factors *adj.* considered and evaluated through comparison with something else
16. ra_____t wrench *n.* a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement
17. card sh__k *n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest

ANSWERS: 9. insect, 10. unclear, 11. shock, 12. vertebrate, 13. accord, 14. insect, 15. relative, 16. ratchet, 17. shark

18. ab___t-minded *adj.* not present in a particular place at a particular time
19. acc_____ion of wealth *n.* an amount of something obtained via natural growth or addition
20. w__p into shape *v.* to hit a person or an animal severely with a thin, flexible stick with a cord or leather thong at the end, as a punishment, discipline, etc.
21. sl____r about on my stomach *v.* to move smoothly and sinuously, often close to the ground; to slide or crawl in a reptilian manner
22. 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
23. in_____ve agriculture *adj.* involving a lot of work or activity in a short time
24. acc_____ion effect *n.* an amount of something obtained via natural growth or addition
25. have a serious sho_____ng *n.* a lack or deficiency in a particular respect; a fault or defect
26. a ge____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
27. me_____wn disaster *n.* a severe overheating of the core of a nuclear reactor resulting in the core melting and radiation escaping; a situation in which something fails or weakens suddenly or dramatically

ANSWERS: 18. absent, 19. accumulation, 20. whip, 21. slither, 22. stick, 23. intensive, 24. accumulation, 25. shortcoming, 26. genetic, 27. meltdown

28. ext_____on prevention *n.* the complete disappearance of a species from the earth
29. the end of chr_____me *n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like
30. r_t with age *v.* to decay, or cause something to decay, naturally and gradually
31. p_a family *n.* a small, round, green vegetable that grows in pods on a climbing plant and is eaten as a vegetable
32. ab___t without leave *adj.* not present in a particular place at a particular time
33. eve_____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
34. racial or____n *n.* the first existence or beginning of something
35. achieve a vi___e relationship *adj.* capable of being done as intended; able to succeed
36. par_____sis in insects *n.* a form of asexual reproduction in which an unfertilized egg develops into a new individual without the need for sperm, commonly found in some species of plants, invertebrates, and in rare cases, vertebrates
37. hyp_____ze what could have happened *v.* to form or present a theory or explanation without sufficient evidence; to speculate
38. the di_____ty policy of the university *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people

ANSWERS: 28. extinction, 29. chromosome, 30. rot, 31. pea, 32. absent, 33. eventually, 34. origin, 35. viable, 36. parthenogenesis, 37. hypothesize, 38. diversity

39. legal co_____t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
40. an ab_____nt supply of water *adj.* present in great quantity
41. cir_____nt authority *v.* to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle
42. acc_____te cash value *v.* to collect or acquire a large number of things over a long period of time
43. hereditary mu_____on *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
44. or____n of information *n.* the first existence or beginning of something
45. ob_____e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
46. ex____d a lineup *v.* to increase or to make something greater in size, number, or importance
47. occ_____lly change the routine *adv.* now and then; sometimes but not often
48. ha__y tool *adj.* valuable and convenient; easy or ready to reach or use
49. su_____e a blizzard *v.* to live or exist despite a dangerous event or period

ANSWERS: 39. context, 40. abundant, 41. circumvent, 42. accumulate, 43. mutation, 44. origin, 45. observe, 46. expand, 47. occasionally, 48. handy, 49. survive

50. enter vi___n territory *n.* a person who has never had sex; (adjective) being used or worked for the first time
51. maternal li_____e *n.* the ancestry of a person, group, or species
52. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
53. un_____le a problem *v.* to separate or straighten out something that is tangled, confused, or complicated; to clarify or make sense of something difficult to understand or explain
54. su_____e a plane crash *v.* to live or exist despite a dangerous event or period
55. py___n species *n.* a nonvenomous snake found in Africa, Asia, and Australia, known for its ability to squeeze and suffocate its prey before swallowing it whole; a high-level programming language used for various purposes, often in scientific computing and data analysis
56. boundless cu_____ty *n.* a strong desire to know or learn about something
57. li_____e tree *n.* the ancestry of a person, group, or species

ANSWERS: 50. virgin, 51. lineage, 52. process, 53. untangle, 54. survive, 55. python, 56. curiosity, 57. lineage

58. labor pop_____on *n.* the total number of people in a country, region, or location
59. 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.
60. some une_____ed events *adj.* not anticipated or regarded as likely to happen
61. un_____le a situation *v.* to separate or straighten out something that is tangled, confused, or complicated; to clarify or make sense of something difficult to understand or explain
62. production of sp__m *n.* the reproductive cell produced by a man or male animal
63. ge__o habitat *n.* a small to medium-sized lizard with soft, velvety skin, short legs, and adhesive pads on the feet that allow them to climb and walk along vertical surfaces
64. the muscle tissue of a ver_____te *adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish
65. com_____on number *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
66. unsolved my_____y *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

ANSWERS: 58. population, 59. gene, 60. unexpected, 61. untangle, 62. sperm, 63. gecko, 64. vertebrate, 65. combination, 66. mystery

67. eve_____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
68. ex___d agricultural output *v.* to increase or to make something greater in size, number, or importance
69. 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
70. a ri___l dance *n.* any customary observance or practice; any prescribed procedure for conducting religious ceremonies
71. w___p egg whites *v.* to hit a person or an animal severely with a thin, flexible stick with a cord or leather thong at the end, as a punishment, discipline, etc.
72. fe_____ze the female egg *v.* to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well
73. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
74. a ha___y-sized bag *adj.* valuable and convenient; easy or ready to reach or use
75. a ben_____al result *adj.* helpful, useful, or sound; promoting or enhancing well-being
76. r___y on convenience stores *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

ANSWERS: 67. eventually, 68. expand, 69. embryo, 70. ritual, 71. whip, 72. fertilize, 73. biology, 74. handy, 75. beneficial, 76. rely

77. ac___d with public opinion *n.* an official agreement or treaty between two organizations, countries, etc.; (verb) allow to have
78. a remote re_____ve *adj.* considered and evaluated through comparison with something else
79. ex_____e in popularity *v.* to burst or break open violently and noisily; to cause something to burst or break open
80. co_____m a transaction *v.* to support or establish the truth or certainty of something previously believed or suspected to be the case
81. sequencing of the human ge_____e *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
82. morning ri____l *n.* any customary observance or practice; any prescribed procedure for conducting religious ceremonies
83. pop_____on change *n.* the total number of people in a country, region, or location
84. a private ind_____al *n.* a single person or thing, as distinct from a group
85. Py____n programming *n.* a nonvenomous snake found in Africa, Asia, and Australia, known for its ability to squeeze and suffocate its prey before swallowing it whole; a high-level programming language used for various purposes, often in scientific computing and data analysis
86. com_____se the matter *v.* to settle a problem or disagreement by mutual concession

ANSWERS: 77. accord, 78. relative, 79. explode, 80. confirm, 81. genome, 82. ritual, 83. population, 84. individual, 85. python, 86. compromise

87. blue al__e *n.* A simple plant that grows in or near water and lacks typical leaves and roots
88. pr____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
89. lingual di____ty *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
90. de____t settings *v.* to fail to fulfill an obligation or pay a debt when it is due; to fail to meet expectations or perform as required; to choose or accept a predetermined option or condition without making a deliberate selection or choice; (noun) a failure to fulfill an obligation or to meet a requirement; the pre-set or automatic settings that a system or program uses when the user has selected no other options
91. s__n an audience *v.* to make a person or an animal unconscious or dizzy, especially by hitting them on the head; to make someone surprised or shocked greatly
92. an une____ed visitor *adj.* not anticipated or regarded as likely to happen

ANSWERS: 87. algae, 88. process, 89. diversity, 90. default, 91. stun, 92. unexpected

93. satisfy my intellectual cu_____ty *n.* a strong desire to know or learn about something
94. fe_____ze the soil *v.* to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well
95. an un_____r match *adj.* poorly stated or described and therefore not easy to understand; not easy to perceive
96. 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
97. house ge__o *n.* a small to medium-sized lizard with soft, velvety skin, short legs, and adhesive pads on the feet that allow them to climb and walk along vertical surfaces
98. ka_____d habitat *n.* a giant, green or brown grasshopper-like insect with long antennae and wings, known for its distinctive sound produced by rubbing its legs together
99. rep_____ion system *n.* the process by which organisms create offspring; the production of something similar to an original work
100. co_____m the diagnosis *v.* to support or establish the truth or certainty of something previously believed or suspected to be the case

ANSWERS: 93. curiosity, 94. fertilize, 95. unclear, 96. develop, 97. gecko, 98. katydid, 99. reproduction, 100. confirm

101. cannot com_____se anymore *v.* to settle a problem or disagreement by mutual concession
102. cr_____re of habit *n.* a living being, especially an animal
103. ind_____al freedom *n.* a single person or thing, as distinct from a group
104. 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
105. tu___y breast meat *n.* (of an animal) a large bird with a fan-shaped tail native to North America, widely grown for food; (of a country) a Eurasian republic in Asia Minor and the Balkans
106. live an ab_____nt life *adj.* present in great quantity
107. in_____ve care *adj.* involving a lot of work or activity in a short time
108. an_____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning
109. rep_____ion rate *n.* the process by which organisms create offspring; the production of something similar to an original work
110. man with a low sp__m count *n.* the reproductive cell produced by a man or male animal
111. giant li___d *n.* a reptile that has a relatively long body, two pairs of legs, and a tapering tail
112. an interspecific hy___d *adj.* composed of different elements or mixed characters

ANSWERS: 101. compromise, 102. creature, 103. individual, 104. stick, 105. turkey, 106. abundant, 107. intensive, 108. analyze, 109. reproduction, 110. sperm, 111. lizard, 112. hybrid

113. as_____te with people widely *v.* to mentally connect someone or something with someone or something else
114. ge___e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
115. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
116. re_____ce the painting *v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
117. he was en_____ly to blame *adv.* completely
118. ma___g season *n.* the act of pairing a male and female for reproductive purposes
119. s__n fish *v.* to make a person or an animal unconscious or dizzy, especially by hitting them on the head; to make someone surprised or shocked greatly
120. 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.
121. de_____t on the mortgage *v.* to fail to fulfill an obligation or pay a debt when it is due; to fail to meet expectations or perform as required; to choose or accept a predetermined option or condition without making a deliberate selection or choice; (noun) a failure to fulfill an obligation or to meet a requirement; the pre-set or automatic settings that a system or program uses when the user has selected no other options

ANSWERS: 113. associate, 114. genome, 115. biology, 116. reproduce, 117. entirely, 118. mating, 119. stun, 120. gene, 121. default

122. occ_____lly dine with friends *adv.* now and then; sometimes but not often
123. swell like a tu____y *n.* (of an animal) a large bird with a fan-shaped tail native to North America, widely grown for food; (of a country) a Eurasian republic in Asia Minor and the Balkans
124. the gen_____on of electricity *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity
125. r__y entirely on him *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
126. a vul_____le bridge *adj.* capable of being hurt or influenced physically or mentally
127. sl_____r up the tree trunk *v.* to move smoothly and sinuously, often close to the ground; to slide or crawl in a reptilian manner
128. gen_____on gap *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity
129. un____d the stroller *v.* to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
130. p_a protein *n.* a small, round, green vegetable that grows in pods on a climbing plant and is eaten as a vegetable
131. ben_____al to all countries *adj.* helpful, useful, or sound; promoting or enhancing well-being

ANSWERS: 122. occasionally, 123. turkey, 124. generation, 125. rely, 126. vulnerable, 127. slither, 128. generation, 129. unfold, 130. pea, 131. beneficial

132. symbiotic fu___s *n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
133. un____o surgery *v.* to go through something unpleasant or that involves a change
134. historical co____t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
135. un___d the story *v.* to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
136. develop a vi___e therapy *adj.* capable of being done as intended; able to succeed
137. 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
138. ex____e in anger *v.* to burst or break open violently and noisily; to cause something to burst or break open
139. as____l community *adj.* lacking sexual organs or characteristics; not involving or characterized by sexual activity; neither male nor female in gender identity; not operating in a sexual manner or with sexual connotations

ANSWERS: 132. fungus, 133. undergo, 134. context, 135. unfold, 136. viable, 137. develop, 138. explode, 139. asexual

140. ob_____e a tradition *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
141. acc_____te evidence *v.* to collect or acquire a large number of things over a long period of time
142. begin to r_t *v.* to decay, or cause something to decay, naturally and gradually
143. apex pr_____or *n.* an animal whose natural behavior is to prey on others
144. pr_____t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
145. animals in ca_____ty in the zoo *n.* the situation in which a person or animal is kept in prison or a space that they cannot escape from
146. escape from ca_____ty *n.* the situation in which a person or animal is kept in prison or a space that they cannot escape from
147. al__e biofuel *n.* A simple plant that grows in or near water and lacks typical leaves and roots
148. ecology and evo_____ary biology *adj.* relating to or denoting how living things develop or change from earlier forms
149. death from sh__k *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
150. fu___s infection *n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive

ANSWERS: 140. observe, 141. accumulate, 142. rot, 143. predator, 144. predict, 145. captivity, 146. captivity, 147. algae, 148. evolutionary, 149. shock, 150. fungus

151. vi___n material *n.* a person who has never had sex; (adjective) being used or worked for the first time
152. ka____d sound *n.* a giant, green or brown grasshopper-like insect with long antennae and wings, known for its distinctive sound produced by rubbing its legs together
153. sexual pr____ors *n.* an animal whose natural behavior is to prey on others
154. aq____um fish *n.* a transparent tank of water in which fish and other water animals and plants are kept; a building containing tanks of live fish of different species, especially one that is open to the public
155. mu____on of DNA *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
156. hyp____ze as to outcomes *v.* to form or present a theory or explanation without sufficient evidence; to speculate
157. cir____nt rules *v.* to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle
158. en____ly satisfied with the meal *adv.* completely
159. 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

ANSWERS: 151. virgin, 152. katydid, 153. predator, 154. aquarium, 155. mutation, 156. hypothesize, 157. circumvent, 158. entirely, 159. embryo

160. as_____te alcohol with gambling *v.* to mentally connect someone or something with someone or something else
161. genic com_____ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
162. re_____ce by myself *v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
163. pr_____t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
164. dr____n wing *n.* a mythical monster typically depicted as a giant reptile with wings, claws, and a fiery breath often portrayed as being fierce and dangerous
165. the sho_____ng in the system *n.* a lack or deficiency in a particular respect; a fault or defect
166. d__g a chair over *v.* to pull or haul with force
167. d__g a team down *v.* to pull or haul with force
168. par_____sis reproduction *n.* a form of asexual reproduction in which an unfertilized egg develops into a new individual without the need for sperm, commonly found in some species of plants, invertebrates, and in rare cases, vertebrates
169. dr____n fruit *n.* a mythical monster typically depicted as a giant reptile with wings, claws, and a fiery breath often portrayed as being fierce and dangerous

ANSWERS: 160. associate, 161. combination, 162. reproduce, 163. predict, 164. dragon, 165. shortcoming, 166. drag, 167. drag, 168. parthenogenesis, 169. dragon

170. ap__d control *n.* a tiny insect that feeds on the sap of plants and can cause damage or diseases to plants, often found in large colonies
171. un_____o a decrease *v.* to go through something unpleasant or that involves a change
172. virtual aq_____um *n.* a transparent tank of water in which fish and other water animals and plants are kept; a building containing tanks of live fish of different species, especially one that is open to the public
173. li____d leather *n.* a reptile that has a relatively long body, two pairs of legs, and a tapering tail
174. a man-eating sh__k *n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest
175. ap__d infestation *n.* a tiny insect that feeds on the sap of plants and can cause damage or diseases to plants, often found in large colonies
176. brink of ext_____on *n.* the complete disappearance of a species from the earth
177. 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
178. ma____g behavior *n.* the act of pairing a male and female for reproductive purposes

ANSWERS: 170. aphid, 171. undergo, 172. aquarium, 173. lizard, 174. shark, 175. aphid, 176. extinction, 177. discovery, 178. mating

179. the evo_____ary process

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

180. artificial cr_____re

n. a living being, especially an animal

181. my_____y novel

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

182. harmless ba_____ia

n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

183. new hy_____d system

adj. composed of different elements or mixed characters

184. a sex chr_____me

n. a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like

ANSWERS: 179. evolutionary, 180. creature, 181. mystery, 182. bacteria, 183. hybrid, 184. chromosome

Session 3: Fill in the Blanks

1. The _____ to the safe was a secret.
n. a collection of things that have been combined; an assemblage of separate parts or qualities
2. The construction industry is labor _____ although it has been somewhat automated by introducing large machinery.
adj. involving a lot of work or activity in a short time
3. He has _____ his wealth through real estate investments.
v. to collect or acquire a large number of things over a long period of time
4. The male _____ fertilizes the female egg.
n. the reproductive cell produced by a man or male animal
5. It's important to understand the _____ of a situation before making a decision.
n. the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
6. The deep sea _____ was unlike anything the scientists had ever seen before.
n. a living being, especially an animal
7. The nuclear _____ in the country was a disaster with far-reaching consequences.
n. a severe overheating of the core of a nuclear reactor resulting in the core melting and radiation escaping; a situation in which something fails or weakens suddenly or dramatically

ANSWERS: 1. combination, 2. intensive, 3. accumulated, 4. sperm, 5. context, 6. creature, 7. meltdown

8. _____ reproduction is a common trait found in certain species of plants and animals.
- adj.* lacking sexual organs or characteristics; not involving or characterized by sexual activity; neither male nor female in gender identity; not operating in a sexual manner or with sexual connotations
9. He was impressed by the range and _____ of the collection.
- n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
10. The _____ song filled the warm summer night.
- n.* a giant, green or brown grasshopper-like insect with long antennae and wings, known for its distinctive sound produced by rubbing its legs together
11. If you don't specify a different option, the computer will _____ to its original settings.
- v.* to fail to fulfill an obligation or pay a debt when it is due; to fail to meet expectations or perform as required; to choose or accept a predetermined option or condition without making a deliberate selection or choice; (noun) a failure to fulfill an obligation or to meet a requirement; the pre-set or automatic settings that a system or program uses when the user has selected no other options
12. Infants and pregnant women are particularly _____.
- adj.* capable of being hurt or influenced physically or mentally
13. We are motivated by _____ rather than necessity.
- n.* a strong desire to know or learn about something
14. The corporation _____ dominated the entire tobacco business.
- adv.* finally, particularly after a long time or a lot of struggle, complications, and so on

ANSWERS: 8. Asexual, 9. diversity, 10. katydid's, 11. default, 12. vulnerable, 13. curiosity, 14. eventually

15. The _____ rainstorm caused the collapse of the corral.

adj. not anticipated or regarded as likely to happen

16. The mystery _____ as the detectives gathered more clues.

v. to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown

17. The organization finally signed a peace _____.

n. an official agreement or treaty between two organizations, countries, etc.;
(verb) allow to have

18. The younger _____ has different values and beliefs than the older one.

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

19. There are various hypotheses concerning the _____ of life.

n. the first existence or beginning of something

20. I saw a _____ crawling on the wall of my bedroom.

n. a small to medium-sized lizard with soft, velvety skin, short legs, and adhesive pads on the feet that allow them to climb and walk along vertical surfaces

21. Radiation often promotes genetic _____ in plants and animals.

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

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

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

ANSWERS: 15. unexpected, 16. unfolded, 17. accord, 18. generation, 19. origin, 20. gecko, 21. mutations, 22. individual,

23. The couple decided to use the non-husband sperm to _____ a wife.
- v. to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well
24. Babies heavily _____ on others for food.
- v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
25. 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
26. 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
27. The old building _____ in a fiery inferno.
- v. to burst or break open violently and noisily; to cause something to burst or break open
28. They hope to _____ their business worldwide.
- v. to increase or to make something greater in size, number, or importance
29. Before copulating with the female, the male bird performs a _____ dance.
- n. the act of pairing a male and female for reproductive purposes
30. The woman of the house does the holy _____ of lighting two candles.
- n. any customary observance or practice; any prescribed procedure for conducting religious ceremonies

ANSWERS: 23. fertilize, 24. rely, 25. develop, 26. embryo, 27. exploded, 28. expand, 29. mating, 30. ritual

31. The train has to _____ rigorous safety checks.

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

32. Laughing is _____ to our health.

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

33. Male gorillas with good drumming skills are more _____.

adj. capable of being done as intended; able to succeed

34. The poisonous snake began to _____ away from the hikers as they stepped back in fear.

v. to move smoothly and sinuously, often close to the ground; to slide or crawl in a reptilian manner

35. _____ 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

36. He turned the bolt with the _____ making sure it was secure.

n. a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement

37. In Chinese mythology, _____ are considered powerful and benevolent creatures.

n. a mythical monster typically depicted as a giant reptile with wings, claws, and a fiery breath often portrayed as being fierce and dangerous

38. The country has _____ oil and natural gas resources.

adj. present in great quantity

ANSWERS: 31. undergo, 32. beneficial, 33. viable, 34. slither, 35. Evolutionary, 36. ratchet, 37. dragons, 38. abundant

39. The _____ of the plant depends on the pollinators.
- n.* the process by which organisms create offspring; the production of something similar to an original work
40. The company's main _____ was a lack of innovation.
- n.* a lack or deficiency in a particular respect; a fault or defect
41. It's notoriously challenging to _____ birth rates.
- v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
42. I need to _____ this knot before using this rope piece.
- v.* to separate or straighten out something that is tangled, confused, or complicated; to clarify or make sense of something difficult to understand or explain
43. She shelled the _____ and added them to the pot.
- n.* a small, round, green vegetable that grows in pods on a climbing plant and is eaten as a vegetable
44. They prepared a stuffed _____ for Thanksgiving.
- n.* (of an animal) a large bird with a fan-shaped tail native to North America, widely grown for food; (of a country) a Eurasian republic in Asia Minor and the Balkans
45. Human females normally have two X _____.
- n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like
46. 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

ANSWERS: 39. reproduction, 40. shortcoming, 41. predict, 42. untangle, 43. peas, 44. turkey, 45. chromosomes, 46. discovery

47. The _____ tail regenerates if severed.
n. a reptile that has a relatively long body, two pairs of legs, and a tapering tail
48. In just four years, the _____ has doubled.
n. the total number of people in a country, region, or location
49. She still _____ writes a short romance novel.
adv. now and then; sometimes but not often
50. 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
51. 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.
52. This sprinter _____ the world with his speed.
v. to make a person or an animal unconscious or dizzy, especially by hitting them on the head; to make someone surprised or shocked greatly
53. The native South American animals were in danger because of the _____ arrival.
n. an animal whose natural behavior is to prey on others
54. This world-class _____ offers educational programs for school groups.
n. a transparent tank of water in which fish and other water animals and plants are kept; a building containing tanks of live fish of different species, especially one that is open to the public

ANSWERS: 47. lizard's, 48. population, 49. occasionally, 50. stick, 51. gene, 52. stunned, 53. predator's, 54. aquarium

55. He borrowed money from a loan _____.

- n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest

56. _____ prevalent in hospitals are often resistant to antibiotics.

- n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

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

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

58. He got an electric _____ at work.

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

59. The African rock _____ can eat prey as large as antelopes and crocodiles.

- n.* a nonvenomous snake found in Africa, Asia, and Australia, known for its ability to squeeze and suffocate its prey before swallowing it whole; a high-level programming language used for various purposes, often in scientific computing and data analysis

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

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

61. It is important not to undertake tasks with _____ objectives to improve productivity.

- adj.* poorly stated or described and therefore not easy to understand; not easy to perceive

ANSWERS: 55. shark, 56. Bacteria, 57. process, 58. shock, 59. python, 60. insects, 61. unclear

62. The majority of consumers _____ this brand with quality.
v. to mentally connect someone or something with someone or something else
63. He was _____ from the meeting and missed all the important updates.
adj. not present in a particular place at a particular time
64. 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
65. 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
66. The mule is a _____ between a male donkey and a female horse.
adj. composed of different elements or mixed characters
67. Some species of lizards and insects are capable of _____.
n. a form of asexual reproduction in which an unfertilized egg develops into a new individual without the need for sperm, commonly found in some species of plants, invertebrates, and in rare cases, vertebrates
68. Scientists traced the _____ of the species back millions of years by studying fossils.
n. the ancestry of a person, group, or species
69. The _____ surrounding the disappearance of the traveler has yet to be solved by authorities.
n. something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

ANSWERS: 62. associate, 63. absent, 64. biology, 65. genetic, 66. hybrid, 67. parthenogenesis, 68. lineage, 69. mystery

70. They found a _____ place to play catch.

adj. valuable and convenient; easy or ready to reach or use

71. The _____ of the dinosaurs is thought to have been caused by an asteroid impact.

n. the complete disappearance of a species from the earth

72. Later, his claim was found to be _____ false.

adv. completely

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

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

74. Please write to _____ your reservation.

v. to support or establish the truth or certainty of something previously believed or suspected to be the case

75. The jockey _____ the horse hard to take first place.

v. to hit a person or an animal severely with a thin, flexible stick with a cord or leather thong at the end, as a punishment, discipline, etc.

76. The teacher attempted to _____ the root cause of our mistake.

v. to think about in-depth and evaluate to discover essential features or meaning

77. Pandas rarely breed in _____.

n. the situation in which a person or animal is kept in prison or a space that they cannot escape from

ANSWERS: 70. handy, 71. extinction, 72. entirely, 73. reproduce, 74. confirm, 75. whipped, 76. analyze, 77. captivity

78. Please refrigerate the meat, or it will _____.

v. to decay, or cause something to decay, naturally and gradually

79. These birds can only _____ in temperate climates.

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

80. They never _____ on development despite the lack of funds.

v. to settle a problem or disagreement by mutual concession

81. Within a few years, no _____ forests will remain.

n. a person who has never had sex; (adjective) being used or worked for the first time

82. The presence of a backbone is a defining characteristic of _____ animals.

adj. relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish

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

adj. considered and evaluated through comparison with something else

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

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

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

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

86. Certain types of _____ can be toxic to humans, causing severe illness if ingested.

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

ANSWERS: 78. rot, 79. survive, 80. compromised, 81. virgin, 82. vertebrate, 83. relatives, 84. Algae, 85. genome, 86. fungus

87. The _____ were eating all the leaves of my tomato plants.

- n.* a tiny insect that feeds on the sap of plants and can cause damage or diseases to plants, often found in large colonies

88. Scientists _____ that the new fish species evolved to survive in deep-sea environments.

- v.* to form or present a theory or explanation without sufficient evidence; to speculate

89. I took a back road to work on time to _____ the traffic jam.

- v.* to go around, avoid, or bypass something, often to achieve an intended goal or objective; to outmaneuver or outsmart a person or obstacle

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

- v.* to pull or haul with force

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

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

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

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

ANSWERS: 87. aphids, 88. hypothesize, 89. circumvent, 90. dragged, 91. Accumulation, 92. observe