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Vocabulary Builder Reference from...

Robyn J. Crook: How do animals experience pain? |
TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

humming

adj. producing a continuous, low, vibrating sound like that of the bee

synonym: buzzing, droning, vibrating

(1) **humming** sound, (2) **humming** bird

The **humming** of the bees filled the air as she walked through the garden.

prick

v. to make a small hole or puncture or to cause a slight, sharp pain; to stimulate or provoke a reaction or response; to use needles to administer a vaccine or medication

synonym: poke, jab, sting

(1) **prick** a balloon, (2) **prick** up her ears

He accidentally **pricked** his finger with the needle.

needle

n. a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood

synonym: thorn, spike, pin

(1) **needle** prick, (2) sewing **needle**

The acupuncturist inserted **needles** into specific points on my body to alleviate my pain.

sear

v. to char, scorch, or burn the surface of something with intense heat; (of pain or experience) to be deeply felt or remembered over a long time

synonym: scorch, cook, burn

(1) **sear** tissue using a hot iron, (2) **sear** the memory into your mind

Be careful not to **sear** the meat too long, as it can become tough and chewy.

stub

n. a short piece of something, especially a cigarette, pencil, etc., that is left after the main part has been used

synonym: butt, counterfoil, leftover

(1) a **stub** of a candle, (2) cigar **stub**

The receptionist detached a ticket from its **stub**.

throb

v. to beat with a strong, regular rhythm, as a pulse or a heart

synonym: pulse, beat, pound

(1) **throb** at the thought of the accident, (2) **throb** with excitement

The wound continued to **throb** with pain, despite the medication.

ache

v. to experience a dull, persistent pain or discomfort, typically of moderate or low intensity; to feel a continuous dull pain

synonym: hurt, throb, smart

(1) **ache** abominably, (2) **ache** all the time

I **ache** all over after running a marathon yesterday.

identify

v. to recognize someone or something and say or prove who or what they are

synonym: determine, specify, recognize

(1) **identify** handwriting, (2) **identify** gene sequences

I will introduce you to how to **identify** the leading causes of the malfunction.

- 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**.
- enrich** *v.* to make better or improve in quality by adding something else
synonym: enhance, improve, augment
(1) **enrich** a gas with a balloon, (2) **enrich** public services
Reading not only increases knowledge but also **enriches** life.
- environment** *n.* the natural world such as air, water, and land in which humans, animals, and plants live
synonym: atmosphere, surroundings, climate
(1) **environment** affairs, (2) chaotic **environment**
Every human is responsible for taking care of the Earth's **environment**.
- experiment** *n.* the scientific test conducted to observe what happens and gain new knowledge
synonym: experimentation, investigation
(1) **experiment** design, (2) series of **experiments**
His **experiments** showed highly positive results.
- advance** *v.* to go or move forward; to develop in a positive way
synonym: progress, boost, come along
(1) **advance** the technology, (2) **advance** a cooperative relationship
Scientific knowledge will **advance** significantly with the power of AI.
- unnecessary** *adj.* not needed or required; not essential or important
synonym: redundant, extra, superfluous
(1) **unnecessary** expense, (2) **unnecessary** hassle
The extra steps in the process were deemed **unnecessary** and removed to streamline production.

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.

relieve

v. to make something burdensome, unpleasant, or painful less severe

synonym : alleviate, ease, assuage

(1) **relieve** his thirst, (2) **relieve** stress

The medicine **relieved** his headache, and he felt much better.

shrimp

n. a small, freshwater or saltwater creature with a slender body and long legs

synonym : prawn, langoustine, scampi

(1) **shrimp** cocktail, (2) **shrimp** farming

The seafood restaurant had a variety of dishes featuring **shrimp**.

snail

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

synonym : escargot, slug, whelk

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

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

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.

split

v. to divide, or to make something divide into two or more parts, especially along a particular line

synonym : break, divide, break apart

(1) **split** a bill, (2) **split** a reward equally

Companies often **split** their shares to lower the stock price and encourage investors to buy.

distinct

adj. noticeable from something else of a similar type

synonym : different, special, characteristic

(1) **distinct** difference, (2) **distinct** from each other

It is essential to keep these two issues **distinct**.

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.

nervous

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

synonym : neural, anxious, uneasy

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

He suffers from **nervous** breakdowns.

communicate

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

synonym : convey, share, transmit

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

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

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

spinal

adj. of or relating to the spine (= the long bone in the body's back)

(1) **spinal** injury, (2) brain and **spinal** cord

The surgeon carefully confirmed how to remove the tumor to avoid damaging the **spinal** nerves.

cord

n. a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment

synonym : wire, cable, string

(1) spinal **cord**, (2) electrical **cord**

Your spinal **cord** is located deep within your body.

motor

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

synonym : actuator, engine, machine

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

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

neuron

n. a cell that is specialized to carry information within the brain and between the brain and other parts of the body

synonym : nerve cell

(1) excite the **neurons**, (2) **neuron** cell body

Our body transfers information along each **neuron** using an electrical impulse.

movement

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

synonym : motion, progression, action

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

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

jerk

v. to make a sudden, sharp movement, or cause something to do this

synonym : wrench, jolt, twitch

(1) **jerk** her head back, (2) **jerk** the rope

The driver suddenly **jerked** the steering wheel to the left to avoid hitting the deer.

threat

n. a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation

synonym : menace, danger, hazard

(1) economic **threat** , (2) environmental **threat**

The **threat** of severe weather prompted the city to issue an evacuation warning.

recognition

n. the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal

synonym : acknowledgement, identification, credit

(1) **recognition** award, (2) joint **recognition**

He was given **recognition** for his outstanding work in the field of medicine.

nociceptor

n. a sensory nerve ending that is capable of detecting harmful stimuli, such as heat, cold, pressure, or tissue damage, and transmitting this information to the brain

(1) thermal **nociceptor** , (2) **nociceptor** fiber

The **nociceptors** in the skin are activated by heat, cold, and pressure.

survival

n. the state of continuing to exist or live, frequently in the face of difficulty or danger

synonym : endurance, continuity

(1) **survival** ability, (2) **survival** food

He evaluated his chances for **survival** rather pessimistically.

threaten

v. to utter intentions of injury or punishment against someone

synonym : endanger, terrorize, intimidate

(1) **threaten** a healthy relationship, (2) **threaten** national

security

Various artificially induced causes are **threatening** our ecosystem.

conscious

adj. being aware of and able to respond to what is happening around you

synonym: aware, cognizant, deliberate

(1) **conscious** effort, (2) **conscious** of having succeeded
He became **conscious** that he was being followed.

brain

n. the organ inside the head that is responsible for one's movement, thought, memory, and feeling

synonym: intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage
X-rays revealed a small tumor in his **brain**.

complexity

n. the state or quality of being complicated or intricate and difficult to understand

synonym: intricacy, sophistication, elaboration

(1) cognitive **complexity**, (2) **complexity** theory

The project's **complexity** made it difficult for the team to complete it on time.

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.

emotion

n. a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others

synonym: feeling, sentiment, passion

(1) control my **emotion**, (2) afraid to show **emotion**

Some **emotions** are common across cultures and backgrounds.

panic

n. a sudden strong feeling of fear that cannot be controlled and prevents reasonable thought and action

synonym : confusion, hysteria, consternation

(1) a **panic** reaction, (2) **panic** buying

The participation of oil-producing countries in the war caused **panic** in the financial markets.

clue

n. an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

synonym : hint, indication, inkling

(1) a **clue** about the crime, (2) a **clue** to the diagnosis

The police couldn't find a **clue** to her whereabouts.

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.

nurse

n. a healthcare professional who is trained to provide care for the sick or injured; (verb) to try to cure by special care or treatment of an illness or injury

synonym : healthcare worker, caregiver, medic

(1) **nurse** practitioner, (2) a volunteer **nurse**

The night shift **nurse** checked my vital signs before administering the medication.

distress

n. a feeling of great worry, sadness, pain, or discomfort

synonym : discomfort, despair, misery

(1) a signal of **distress**, (2) emotional **distress**

She has been in great **distress** since she was heartbroken.

recluse

n. a person who lives in solitude and isolation

synonym: hermit, solitary, loner

(1) live as a **recluse**, (2) solitary **recluse**

After years in the limelight, the actor decided to retreat from the public eye and become a **recluse**.

lab

n. a workplace for the conduct of scientific research; a laboratory

synonym: workshop, laboratory, research chamber

(1) **lab** instrument, (2) medical **lab**

The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.

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**.

administer

v. to oversee and control the operation or arrangement of something

synonym: allocate, distribute, dispense

(1) **administer** justice, (2) **administer** the funds

After the accident, three governmental bodies **administer** the company.

awareness

n. the fact or state of knowing something exists and is important

synonym: understanding, cognition, knowledge

(1) **awareness** of my ignorance, (2) raise public **awareness**

There has been a gradual but steady rise in environmental **awareness**.

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.

illegal

adj. not allowed by law

synonym: banned, prohibited, illicit

(1) **illegal** drugs, (2) child of **illegal** immigrants

The customs agents seized the **illegal** shipment.

needless

adj. describing something unnecessary, pointless, or superfluous and could be avoided without any harm or adverse consequences

synonym: unnecessary, pointless, superfluous

(1) **needless** argument, (2) **needless** waste

This **needless** paperwork is wasting our time and resources.

invertebrate

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

synonym: animal, mollusk, worm

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

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

oyster

n. a bivalve mollusk with a rough irregular shell, often eaten raw or cooked, and sometimes used as a pearl-producing animal or a source of mother-of-pearl

synonym: shellfish, clam, mussel

(1) **oyster** shell, (2) **oyster** farm

I ordered a dozen **oysters** as an appetizer at the seafood restaurant.

worm

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

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

Worms help dispose of the food waste produced by humans.

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.

recoil

v. to spring or flinch back, as in surprise, fear, or pain

synonym: flinch, shy, shrink

(1) **recoil** in horror, (2) **recoil** from a snake

The gun **recoiled** with a loud bang.

squirt

v. to eject or discharge with force in a fast stream or jet; to spray or sprinkle with a liquid or substance

synonym: spray, eject, spurt

(1) **squirt** water, (2) **squirt** oil

She **squirted** the ketchup onto her fries before taking a bite.

instance

n. a particular example or single occurrence of something

synonym: example, sample, illustration

(1) for **instance**, (2) notable **instance**

These articles cite five **instances** of climate change.

unlikely

adj. not probable or likely to happen

synonym: doubtful, questionable, far-fetched

(1) **unlikely** event, (2) it is **unlikely** that he would win the game

The passage of the bill is **unlikely**.

complicated

adj. involving a lot of different things or parts in a way that is difficult to understand or analyze

synonym: complex, convoluted, intricate

(1) a **complicated** process, (2) become increasingly **complicated**

He did **complicated** pen-and-ink drawings in just a few days.

octopus

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

synonym : devilfish

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

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

sophisticated

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

synonym : refined, cultured, worldly

(1) **sophisticated** look, (2) a **sophisticated** lifestyle

Marketing strategies are growing more **sophisticated**.

intelligent

adj. having the capacity for thought and reason, especially to a high degree

synonym : brilliant, clever, competent

(1) an **intelligent** person, (2) **intelligent** assisting system

Intelligent robots that can cooperate with humans have limited motor output for safety.

crayfish

n. a freshwater crustacean resembling a small lobster typically found in streams, rivers, and lakes and often used as a popular food source

synonym : crawfish, crawdad, freshwater lobster

(1) freshwater **crayfish**, (2) cooked **crayfish**

The seafood restaurant is known for its delicious **crayfish** dish.

crab

n. a sea creature with two large claws and a flattened back (e.g., blue crab or king crab); a sour or grumpy person who is prone to complaining or criticizing

synonym : crustacean, shellfish, crusty

(1) **crab** cakes, (2) **crab** legs

I ordered a plate of fresh **crab** at the seafood restaurant.

pose

v. to present a risk, problem, or other issues that must be addressed

synonym : present, put, position

(1) **pose** a significant threat to my company, (2) **pose** a challenge

The chemicals **pose** a massive health risk.

ethics

n. a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong

synonym: morals, principles, moralities

(1) political **ethics**, (2) **ethics** of journalism

This scripture provides the code of **ethics** for the religion.

suffer

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

synonym: endure, undergo, tolerate

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

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

controversial

adj. causing a lot of hot public discussion and dispute

synonym: contentious, disputed, questionable

(1) **controversial** book, (2) **controversial** policy

The issue of the death penalty is highly **controversial**.

hermit

n. a person who lives alone or in seclusion from society, typically for religious or spiritual reasons; a person who avoids social interactions or seeks solitude

synonym: recluse, solitary, anchorite

(1) **hermit** lifestyle, (2) mountain **hermit**

The **hermit-monk** spent his entire life in solitary contemplation, far from the world's hustle.

undesirable

adj. not wanted or looked upon favorably; unwanted or unpleasant in nature, character, or appearance

synonym: objectionable, distasteful, unwanted

(1) **undesirable** outcome, (2) **undesirable** behavior

The smell of the garbage was very **undesirable**.

shell

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

synonym: ammunition, armor, cover

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

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

zap

v. to strike, destroy, get rid of, or kill something or someone suddenly and with force

synonym: destroy, kill, exterminate

(1) **zap** a huge target, (2) **zap** bar code

They provided allies with powerful weapons that could **zap** the enemy from thousands of miles away.

electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

synonym: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

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.

curl

v. to form or make something form into a curved or spiral shape; (noun) a round shape formed by a series of concentric circles

synonym: coil, curve, spiral

(1) **curl** around street corners, (2) a **curl** of smoke

The cat **curled** into a ball and went to sleep.

injury

n. harm done to a person's or an animal's body caused by an accident or an attack

synonym : wound, damage, hurt

(1) without **injury**, (2) a fatal **injury**

My accidental **injury** got better right away.

prey

n. the object of a hunt; an animal hunted or trapped for eating

synonym : target, quarry, chase

(1) **prey** of beast, (2) become **prey** to terrorists

The majority of snakes swallow their **prey** whole.

judgment

n. the ability to form valuable opinions and make reasonable decisions

synonym : conclusion, decision, determination

(1) an emotional **judgment** , (2) deliver a **judgment**

Her **judgments** are consistently rational and sensible.

react

v. to take action in response to something

synonym : respond, reply, oppose

(1) **react** at a high temperature, (2) **react** against his way of thinking

How did he **react** to your idea?

reflex

n. an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli

synonym : reaction, response, instinct

(1) **reflex** test, (2) knee **reflex**

My leg kicked involuntarily when the doctor tapped my knee with the **reflex** hammer.

rub

v. to move one's hand or an object over the surface of something with pressure

synonym : scrub, massage, stroke

(1) **rub** shoulders, (2) **rub** a glass window

She **rubbed** the sore spot on her leg to ease the pain.

spot

n. a particular location or place; a small round or roundish area, differing in color or feels from the surface around it

synonym : dot, mark, place

(1) beauty **spot**, (2) a **spot** on his honor

This remote **spot** is rarely visited.

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.

slug

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

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

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

flinch

v. to make a quick, nervous movement in response to pain, fear, or surprise; to draw back or wince involuntarily

synonym : shudder, recoil, wince

(1) **flinch** at the noise, (2) **flinch** from the truth

I couldn't help but **flinch** when the door slammed shut.

noxious

adj. harmful or poisonous to living beings; having an unpleasant or offensive smell or taste; causing intense or unpleasant emotions or feelings

synonym : harmful, toxic, poisonous

(1) **noxious** gas, (2) **noxious** substances

The **noxious** fumes from the factory were causing health problems for nearby residents.

stimulus

n. something that causes growth or arouses action

synonym : incitement, inspiration, motivation

(1) a response to a **stimulus**, (2) economic **stimulus**

This book provides children with ideas and a **stimulus** for

outside recreation.

Session 2: Spelling

- | | |
|--------------------------------------|--|
| 1. a pa__c reaction | <i>n.</i> a sudden strong feeling of fear that cannot be controlled and prevents reasonable thought and action |
| 2. cigar s__b | <i>n.</i> a short piece of something, especially a cigarette, pencil, etc., that is left after the main part has been used |
| 3. a p_t bird | <i>n.</i> an animal that you have at home as a companion and treated kindly |
| 4. electrical c__d | <i>n.</i> a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment |
| 5. mountain he___t | <i>n.</i> a person who lives alone or in seclusion from society, typically for religious or spiritual reasons; a person who avoids social interactions or seeks solitude |
| 6. an int_____nt person | <i>adj.</i> having the capacity for thought and reason, especially to a high degree |
| 7. oy___r shell | <i>n.</i> a bivalve mollusk with a rough irregular shell, often eaten raw or cooked, and sometimes used as a pearl-producing animal or a source of mother-of-pearl |
| 8. a teacher's p_t | <i>n.</i> an animal that you have at home as a companion and treated kindly |
| 9. the muscle tissue of a ver_____te | <i>adj.</i> relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish |

ANSWERS: 1. panic, 2. stub, 3. pet, 4. cord, 5. hermit, 6. intelligent, 7. oyster, 8. pet, 9. vertebrate

10. th____en a healthy relationship *v.* to utter intentions of injury or punishment against someone
11. su____r bad grades *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
12. fl____h at the noise *v.* to make a quick, nervous movement in response to pain, fear, or surprise; to draw back or wince involuntarily
13. c__l around street corners *v.* to form or make something form into a curved or spiral shape; (noun) a round shape formed by a series of concentric circles
14. z_p a huge target *v.* to strike, destroy, get rid of, or kill something or someone suddenly and with force
15. development of the ne____s system *adj.* worried and anxious about something; relating to the nerves
16. a s__t on his honor *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
17. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
18. inv_____ate species *n.* a class of animals that do not have a backbone; they include insects, worms, and mollusks
19. id____fy gene sequences *v.* to recognize someone or something and say or prove who or what they are
20. get ne____s *adj.* worried and anxious about something; relating to the nerves

ANSWERS: 10. threaten, 11. suffer, 12. flinch, 13. curl, 14. zap, 15. nervous, 16. spot, 17. sophisticated, 18. invertebrate, 19. identify, 20. nervous

21. r_b shoulders *v.* to move one's hand or an object over the surface of something with pressure
22. freshwater cr____sh *n.* a freshwater crustacean resembling a small lobster typically found in streams, rivers, and lakes and often used as a popular food source
23. afraid to show em____n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
24. di____ct difference *adj.* noticeable from something else of a similar type
25. series of exp____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
26. political et____s *n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
27. 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
28. it is un____ly that he would win the game *adj.* not probable or likely to happen
29. study of inv____ates *n.* a class of animals that do not have a backbone; they include insects, worms, and mollusks
30. live as a re____e *n.* a person who lives in solitude and isolation

ANSWERS: 21. rub, 22. crayfish, 23. emotion, 24. distinct, 25. experiment, 26. ethics, 27. observe, 28. unlikely, 29. invertebrate, 30. recluse

31. notable in_____ce *n.* a particular example or single occurrence of something
32. re____x test *n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
33. a signal of di_____ss *n.* a feeling of great worry, sadness, pain, or discomfort
34. as_____te alcohol with gambling *v.* to mentally connect someone or something with someone or something else
35. a c__e about the crime *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
36. sp__t a bill *v.* to divide, or to make something divide into two or more parts, especially along a particular line
37. nu__e practitioner *n.* a healthcare professional who is trained to provide care for the sick or injured; (verb) to try to cure by special care or treatment of an illness or injury
38. sq____t oil *v.* to eject or discharge with force in a fast stream or jet; to spray or sprinkle with a liquid or substance
39. re__t against his way of thinking *v.* to take action in response to something
40. sn__l mail *n.* a slow-moving mollusk with a spiral shell that it uses to protect its body
41. el_____fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

ANSWERS: 31. instance, 32. reflex, 33. distress, 34. associate, 35. clue, 36. split, 37. nurse, 38. squirt, 39. react, 40. snail, 41. electrify

42. ad____e a cooperative relationship *v.* to go or move forward; to develop in a positive way
43. ver_____te biology *adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish
44. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
45. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
46. can of w__ms *n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes
47. noc_____or fiber *n.* a sensory nerve ending that is capable of detecting harmful stimuli, such as heat, cold, pressure, or tissue damage, and transmitting this information to the brain
48. und_____le behavior *adj.* not wanted or looked upon favorably; unwanted or unpleasant in nature, character, or appearance
49. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
50. a c__e to the diagnosis *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

ANSWERS: 42. advance, 43. vertebrate, 44. brain, 45. communicate, 46. worm, 47. nociceptor, 48. undesirable, 49. complexity, 50. clue

51. unn_____ry hassle *adj.* not needed or required; not essential or important
52. p__e a challenge *v.* to present a risk, problem, or other issues that must be addressed
53. giant oc_____s *n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)
54. hu_____g sound *adj.* producing a continuous, low, vibrating sound like that of the bee
55. c__b cakes *n.* a sea creature with two large claws and a flattened back (e.g., blue crab or king crab); a sour or grumpy person who is prone to complaining or criticizing
56. adm_____er the funds *v.* to oversee and control the operation or arrangement of something
57. racial or____n *n.* the first existence or beginning of something
58. his conclusion was ob_____s *adj.* easy to see, discover or understand
59. oy____r farm *n.* a bivalve mollusk with a rough irregular shell, often eaten raw or cooked, and sometimes used as a pearl-producing animal or a source of mother-of-pearl
60. int_____nt assisting system *adj.* having the capacity for thought and reason, especially to a high degree
61. ne____n cell body *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body

ANSWERS: 51. unnecessary, 52. pose, 53. octopus, 54. humming, 55. crab, 56. administer, 57. origin, 58. obvious, 59. oyster, 60. intelligent, 61. neuron

62. 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
63. sp__t a reward equally *v.* to divide, or to make something divide into two or more parts, especially along a particular line
64. he____t lifestyle *n.* a person who lives alone or in seclusion from society, typically for religious or spiritual reasons; a person who avoids social interactions or seeks solitude
65. c__b legs *n.* a sea creature with two large claws and a flattened back (e.g., blue crab or king crab); a sour or grumpy person who is prone to complaining or criticizing
66. s__r the memory into your mind *v.* to char, scorch, or burn the surface of something with intense heat; (of pain or experience) to be deeply felt or remembered over a long time
67. co_____us effort *adj.* being aware of and able to respond to what is happening around you
68. a c__l of smoke *v.* to form or make something form into a curved or spiral shape; (noun) a round shape formed by a series of concentric circles
69. con_____ial policy *adj.* causing a lot of hot public discussion and dispute
70. spineless je_____sh *n.* a marine creature with a soft, jelly-like body and tentacles for stinging

ANSWERS: 62. observe, 63. split, 64. hermit, 65. crab, 66. sear, 67. conscious, 68. curl, 69. controversial, 70. jellyfish

71. p__e a significant threat to my company
v. to present a risk, problem, or other issues that must be addressed
72. rec_____on award
n. the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
73. sewing ne___e
n. a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood
74. 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
75. di_____ct from each other
adj. noticeable from something else of a similar type
76. th_____en national security
v. to utter intentions of injury or punishment against someone
77. chaotic env_____nt
n. the natural world such as air, water, and land in which humans, animals, and plants live
78. a__e all the time
v. to experience a dull, persistent pain or discomfort, typically of moderate or low intensity; to feel a continuous dull pain
79. deliver a ju_____nt
n. the ability to form valuable opinions and make reasonable decisions
80. com_____te his anxieties to the psychiatrist
v. to share or exchange information with others by speaking, writing, moving your body, or using other signals

ANSWERS: 71. pose, 72. recognition, 73. needle, 74. recognize, 75. distinct, 76. threaten, 77. environment, 78. ache, 79. judgment, 80. communicate

81. p__y of beast *n.* the object of a hunt; an animal hunted or trapped for eating
82. z_p bar code *v.* to strike, destroy, get rid of, or kill something or someone suddenly and with force
83. su___r a setback *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
84. a mollusk sh__l *n.* hard outer covering or case of eggs, nuts, some seeds, and some animals
85. s__r tissue using a hot iron *v.* to char, scorch, or burn the surface of something with intense heat; (of pain or experience) to be deeply felt or remembered over a long time
86. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
87. el_____fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
88. control my em_____n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
89. venomous oc_____s *n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)
90. for in_____ce *n.* a particular example or single occurrence of something
91. 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

ANSWERS: 81. prey, 82. zap, 83. suffer, 84. shell, 85. sear, 86. lab, 87. electrify, 88. emotion, 89. octopus, 90. instance, 91. discovery

92. un____ly event *adj.* not probable or likely to happen
93. knee re___x *n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
94. 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
95. beauty s__t *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
96. je_____sh sting *n.* a marine creature with a soft, jelly-like body and tentacles for stinging
97. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
98. a response to a st____us *n.* something that causes growth or arouses action
99. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
100. an egg sh__l *n.* hard outer covering or case of eggs, nuts, some seeds, and some animals
101. become p__y to terrorists *n.* the object of a hunt; an animal hunted or trapped for eating
102. a circular mo_____nt *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

ANSWERS: 92. unlikely, 93. reflex, 94. recognize, 95. spot, 96. jellyfish, 97. lab, 98. stimulus, 99. motor, 100. shell, 101. prey, 102. movement

103. co_____us of having succeeded *adj.* being aware of and able to respond to what is happening around you
104. hu_____g bird *adj.* producing a continuous, low, vibrating sound like that of the bee
105. excite the ne____ns *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
106. spinal c__d *n.* a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment
107. re___l from a snake *v.* to spring or flinch back, as in surprise, fear, or pain
108. th__b at the thought of the accident *v.* to beat with a strong, regular rhythm, as a pulse or a heart
109. aw_____ss of my ignorance *n.* the fact or state of knowing something exists and is important
110. ne___e prick *n.* a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood
111. no_____s gas *adj.* harmful or poisonous to living beings; having an unpleasant or offensive smell or taste; causing intense or unpleasant emotions or feelings
112. j__k the rope *v.* to make a sudden, sharp movement, or cause something to do this

ANSWERS: 103. conscious, 104. humming, 105. neuron, 106. cord, 107. recoil, 108. throb, 109. awareness, 110. needle, 111. noxious, 112. jerk

113. a fatal in___y *n.* harm done to a person's or an animal's body caused by an accident or an attack
114. re_____e his thirst *v.* to make something burdensome, unpleasant, or painful less severe
115. sh___p cocktail *n.* a small, freshwater or saltwater creature with a slender body and long legs
116. ne_____ss argument *adj.* describing something unnecessary, pointless, or superfluous and could be avoided without any harm or adverse consequences
117. su_____al ability *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
118. 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
119. sh___p farming *n.* a small, freshwater or saltwater creature with a slender body and long legs
120. DC mo__r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
121. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge

ANSWERS: 113. injury, 114. relieve, 115. shrimp, 116. needless, 117. survival, 118. process, 119. shrimp, 120. motor, 121. experiment

122. con_____ial book *adj.* causing a lot of hot public discussion and dispute
123. brain and sp___l cord *adj.* of or relating to the spine (= the long bone in the body's back)
124. ob____s reasons *adj.* easy to see, discover or understand
125. an emotional ju_____nt *n.* the ability to form valuable opinions and make reasonable decisions
126. ad_____e the technology *v.* to go or move forward; to develop in a positive way
127. pa__c buying *n.* a sudden strong feeling of fear that cannot be controlled and prevents reasonable thought and action
128. wiggly w__ms *n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes
129. death from sh__k *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
130. a com_____ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
131. re_____e stress *v.* to make something burdensome, unpleasant, or painful less severe
132. mo_____nt of troops *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

ANSWERS: 122. controversial, 123. spinal, 124. obvious, 125. judgment, 126. advance, 127. panic, 128. worm, 129. shock, 130. complicated, 131. relieve, 132. movement

133. re___l in horror *v.* to spring or flinch back, as in surprise, fear, or pain
134. reduce s___g damage *n.* a common name for any terrestrial gastropod mollusk that appears to lack a shell with soft and black or brown color; a bullet, a shot of alcoholic drink
135. sq___t water *v.* to eject or discharge with force in a fast stream or jet; to spray or sprinkle with a liquid or substance
136. no____s substances *adj.* harmful or poisonous to living beings; having an unpleasant or offensive smell or taste; causing intense or unpleasant emotions or feelings
137. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
138. en___h a gas with a balloon *v.* to make better or improve in quality by adding something else
139. emotional di____ss *n.* a feeling of great worry, sadness, pain, or discomfort
140. und_____le outcome *adj.* not wanted or looked upon favorably; unwanted or unpleasant in nature, character, or appearance
141. a volunteer nu___e *n.* a healthcare professional who is trained to provide care for the sick or injured; (verb) to try to cure by special care or treatment of an illness or injury
142. without in___y *n.* harm done to a person's or an animal's body caused by an accident or an attack

ANSWERS: 133. recoil, 134. slug, 135. squirt, 136. noxious, 137. sophisticated, 138. enrich, 139. distress, 140. undesirable, 141. nurse, 142. injury

143. 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
144. re__t at a high temperature *v.* to take action in response to something
145. solitary re_____e *n.* a person who lives in solitude and isolation
146. en___h public services *v.* to make better or improve in quality by adding something else
147. r_b a glass window *v.* to move one's hand or an object over the surface of something with pressure
148. joint rec_____on *n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
149. cooked cr_____sh *n.* a freshwater crustacean resembling a small lobster typically found in streams, rivers, and lakes and often used as a popular food source
150. ne_____ss waste *adj.* describing something unnecessary, pointless, or superfluous and could be avoided without any harm or adverse consequences
151. il_____l drugs *adj.* not allowed by law
152. thermal noc_____or *n.* a sensory nerve ending that is capable of detecting harmful stimuli, such as heat, cold, pressure, or tissue damage, and transmitting this information to the brain

ANSWERS: 143. process, 144. react, 145. recluse, 146. enrich, 147. rub, 148. recognition, 149. crayfish, 150. needless, 151. illegal, 152. nociceptor

153. sh__k-resistant *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
154. economic st____us *n.* something that causes growth or arouses action
155. et___s of journalism *n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
156. as_____te with people widely *v.* to mentally connect someone or something with someone or something else
157. adm_____er justice *v.* to oversee and control the operation or arrangement of something
158. economic th___t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
159. sn__l pace *n.* a slow-moving mollusk with a spiral shell that it uses to protect its body
160. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
161. a s__b of a candle *n.* a short piece of something, especially a cigarette, pencil, etc., that is left after the main part has been used
162. lazy s__g *n.* a common name for any terrestrial gastropod mollusk that appears to lack a shell with soft and black or brown color; a bullet, a shot of alcoholic drink

ANSWERS: 153. shock, 154. stimulus, 155. ethics, 156. associate, 157. administer, 158. threat, 159. snail, 160. complexity, 161. stub, 162. slug

163. environmental th___t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
164. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
165. or___n of information *n.* the first existence or beginning of something
166. j__k her head back *v.* to make a sudden, sharp movement, or cause something to do this
167. su_____al food *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
168. id_____fy handwriting *v.* to recognize someone or something and say or prove who or what they are
169. th__b with excitement *v.* to beat with a strong, regular rhythm, as a pulse or a heart
170. a__e abominably *v.* to experience a dull, persistent pain or discomfort, typically of moderate or low intensity; to feel a continuous dull pain
171. pr__k up her ears *v.* to make a small hole or puncture or to cause a slight, sharp pain; to stimulate or provoke a reaction or response; to use needles to administer a vaccine or medication
172. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

ANSWERS: 163. threat, 164. environment, 165. origin, 166. jerk, 167. survival, 168. identify, 169. throb, 170. ache, 171. prick, 172. brain

173. sp___l injury *adj.* of or relating to the spine (= the long bone in the body's back)
174. fl___h from the truth *v.* to make a quick, nervous movement in response to pain, fear, or surprise; to draw back or wince involuntarily
175. raise public aw_____ss *n.* the fact or state of knowing something exists and is important
176. pr__k a balloon *v.* to make a small hole or puncture or to cause a slight, sharp pain; to stimulate or provoke a reaction or response; to use needles to administer a vaccine or medication
177. 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
178. unn_____ry expense *adj.* not needed or required; not essential or important
179. child of il_____l immigrants *adj.* not allowed by law
180. become increasingly com_____ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

ANSWERS: 173. spinal, 174. flinch, 175. awareness, 176. prick, 177. discovery, 178. unnecessary, 179. illegal, 180. complicated

Session 3: Fill in the Blanks

1. I will introduce you to how to _____ the leading causes of the malfunction.
v. to recognize someone or something and say or prove who or what they are
2. He experienced nausea after eating live _____.
n. a sea creature with a soft round body and eight long tentacles (= long parts like arms)
3. 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
4. Marketing strategies are growing more _____.
adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
5. They provided allies with powerful weapons that could ____ the enemy from thousands of miles away.
v. to strike, destroy, get rid of, or kill something or someone suddenly and with force
6. There are various hypotheses concerning the _____ of life.
n. the first existence or beginning of something
7. After years in the limelight, the actor decided to retreat from the public eye and become a _____.
n. a person who lives in solitude and isolation

ANSWERS: 1. identify, 2. octopus, 3. process, 4. sophisticated, 5. zap, 6. origin, 7. recluse

8. The medicine _____ his headache, and he felt much better.
v. to make something burdensome, unpleasant, or painful less severe
9. The receptionist detached a ticket from its _____.
n. a short piece of something, especially a cigarette, pencil, etc., that is left after the main part has been used
10. The seafood restaurant had a variety of dishes featuring _____.
n. a small, freshwater or saltwater creature with a slender body and long legs
11. He suffers from _____ breakdowns.
adj. worried and anxious about something; relating to the nerves
12. The project's _____ made it difficult for the team to complete it on time.
n. the state or quality of being complicated or intricate and difficult to understand
13. 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
14. The _____ of severe weather prompted the city to issue an evacuation warning.
n. a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
15. He got an electric _____ at work.
n. a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant

ANSWERS: 8. relieved, 9. stub, 10. shrimp, 11. nervous, 12. complexity, 13. recognize, 14. threat, 15. shock

16. The gardener found a _____ slowly making its way through the lettuce patch.
n. a slow-moving mollusk with a spiral shell that it uses to protect its body
17. Be careful not to _____ the meat too long, as it can become tough and chewy.
v. to char, scorch, or burn the surface of something with intense heat; (of pain or experience) to be deeply felt or remembered over a long time
18. How did he _____ to your idea?
v. to take action in response to something
19. Companies often _____ their shares to lower the stock price and encourage investors to buy.
v. to divide, or to make something divide into two or more parts, especially along a particular line
20. 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
21. The older man _____ from arthritis and finds it difficult to move around.
v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
22. He did _____ pen-and-ink drawings in just a few days.
adj. involving a lot of different things or parts in a way that is difficult to understand or analyze
23. The chemicals _____ a massive health risk.
v. to present a risk, problem, or other issues that must be addressed

ANSWERS: 16. snail, 17. sear, 18. react, 19. split, 20. discovery, 21. suffers, 22. complicated, 23. pose

24. There has been a gradual but steady rise in environmental _____.
- n.* the fact or state of knowing something exists and is important
25. The _____ spent his entire life in solitary contemplation, far from the world's hustle.
- n.* a person who lives alone or in seclusion from society, typically for religious or spiritual reasons; a person who avoids social interactions or seeks solitude
26. He was given _____ for his outstanding work in the field of medicine.
- n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
27. Many species of marine _____ such as corals and sponges, are important components of ocean ecosystems.
- n.* a class of animals that do not have a backbone; they include insects, worms, and mollusks
28. The outermost electron _____ determines the chemical properties of an atom.
- n.* hard outer covering or case of eggs, nuts, some seeds, and some animals
29. The cat _____ into a ball and went to sleep.
- v.* to form or make something form into a curved or spiral shape; (noun) a round shape formed by a series of concentric circles
30. The night shift _____ checked my vital signs before administering the medication.
- n.* a healthcare professional who is trained to provide care for the sick or injured; (verb) to try to cure by special care or treatment of an illness or injury
31. She _____ the ketchup onto her fries before taking a bite.
- v.* to eject or discharge with force in a fast stream or jet; to spray or sprinkle with a liquid or substance

ANSWERS: 24. awareness, 25. hermit-monk, 26. recognition, 27. invertebrates, 28. shell, 29. curled, 30. nurse, 31. squirted

32. Dolphins use sound to _____ with each other.
- v. to share or exchange information with others by speaking, writing, moving your body, or using other signals
33. She _____ the sore spot on her leg to ease the pain.
- v. to move one's hand or an object over the surface of something with pressure
34. The driver suddenly _____ the steering wheel to the left to avoid hitting the deer.
- v. to make a sudden, sharp movement, or cause something to do this
35. Reading not only increases knowledge but also _____ life.
- v. to make better or improve in quality by adding something else
36. The gun _____ with a loud bang.
- v. to spring or flinch back, as in surprise, fear, or pain
37. These articles cite five _____ of climate change.
- n. a particular example or single occurrence of something
38. He accidentally _____ his finger with the needle.
- v. to make a small hole or puncture or to cause a slight, sharp pain; to stimulate or provoke a reaction or response; to use needles to administer a vaccine or medication
39. 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: 32. communicate, 33. rubbed, 34. jerked, 35. enriches, 36. recoiled, 37. instances, 38. pricked, 39. observe

40. This _____ paperwork is wasting our time and resources.

adj. describing something unnecessary, pointless, or superfluous and could be avoided without any harm or adverse consequences

41. I spotted a giant _____ in the rain garden.

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

42. 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

43. The passage of the bill is _____.

adj. not probable or likely to happen

44. I have a parrot as a _____.

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

45. Your spinal _____ is located deep within your body.

n. a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment

46. I ordered a dozen _____ as an appetizer at the seafood restaurant.

n. a bivalve mollusk with a rough irregular shell, often eaten raw or cooked, and sometimes used as a pearl-producing animal or a source of mother-of-pearl

47. Some _____ are common across cultures and backgrounds.

n. a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others

ANSWERS: 40. needless, 41. slug, 42. jellyfish, 43. unlikely, 44. pet, 45. cord, 46. oysters, 47. emotions

48. Every human is responsible for taking care of the Earth's _____.
- n.* the natural world such as air, water, and land in which humans, animals, and plants live
49. He became _____ that he was being followed.
- adj.* being aware of and able to respond to what is happening around you
50. The surgeon carefully confirmed how to remove the tumor to avoid damaging the _____ nerves.
- adj.* of or relating to the spine (= the long bone in the body's back)
51. My leg kicked involuntarily when the doctor tapped my knee with the _____ hammer.
- n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
52. Various artificially induced causes are _____ our ecosystem.
- v.* to utter intentions of injury or punishment against someone
53. _____ robots that can cooperate with humans have limited motor output for safety.
- adj.* having the capacity for thought and reason, especially to a high degree
54. It is essential to keep these two issues _____.
- adj.* noticeable from something else of a similar type
55. Scientific knowledge will _____ significantly with the power of AI.
- v.* to go or move forward; to develop in a positive way

ANSWERS: 48. environment, 49. conscious, 50. spinal, 51. reflex, 52. threatening, 53. Intelligent, 54. distinct, 55. advance

56. My accidental _____ got better right away.

- n.* harm done to a person's or an animal's body caused by an accident or an attack

57. I couldn't help but _____ when the door slammed shut.

- v.* to make a quick, nervous movement in response to pain, fear, or surprise; to draw back or wince involuntarily

58. The _____ in the skin are activated by heat, cold, and pressure.

- n.* a sensory nerve ending that is capable of detecting harmful stimuli, such as heat, cold, pressure, or tissue damage, and transmitting this information to the brain

59. The smell of the garbage was very _____.

- adj.* not wanted or looked upon favorably; unwanted or unpleasant in nature, character, or appearance

60. _____ help dispose of the food waste produced by humans.

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

61. Her _____ are consistently rational and sensible.

- n.* the ability to form valuable opinions and make reasonable decisions

62. The customs agents seized the _____ shipment.

- adj.* not allowed by law

63. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.

- n.* a workplace for the conduct of scientific research; a laboratory

ANSWERS: 56. injury, 57. flinch, 58. nociceptors, 59. undesirable, 60. Worms, 61. judgments, 62. illegal, 63. lab

64. This remote _____ is rarely visited.

- n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it

65. The majority of snakes swallow their _____ whole.

- n.* the object of a hunt; an animal hunted or trapped for eating

66. The police couldn't find a _____ to her whereabouts.

- n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

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

- adj.* easy to see, discover or understand

68. This book provides children with ideas and a _____ for outside recreation.

- n.* something that causes growth or arouses action

69. X-rays revealed a small tumor in his _____.

- n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

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

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

71. The seafood restaurant is known for its delicious _____ dish.

- n.* a freshwater crustacean resembling a small lobster typically found in streams, rivers, and lakes and often used as a popular food source

ANSWERS: 64. spot, 65. prey, 66. clue, 67. obvious, 68. stimulus, 69. brain, 70. movement, 71. crayfish

72. She has been in great _____ since she was heartbroken.
n. a feeling of great worry, sadness, pain, or discomfort
73. The acupuncturist inserted _____ into specific points on my body to alleviate my pain.
n. a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood
74. I _____ all over after running a marathon yesterday.
v. to experience a dull, persistent pain or discomfort, typically of moderate or low intensity; to feel a continuous dull pain
75. 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
76. The wound continued to _____ with pain, despite the medication.
v. to beat with a strong, regular rhythm, as a pulse or a heart
77. I ordered a plate of fresh _____ at the seafood restaurant.
n. a sea creature with two large claws and a flattened back (e.g., blue crab or king crab); a sour or grumpy person who is prone to complaining or criticizing
78. The _____ of the bees filled the air as she walked through the garden.
adj. producing a continuous, low, vibrating sound like that of the bee
79. His _____ showed highly positive results.
n. the scientific test conducted to observe what happens and gain new knowledge

ANSWERS: 72. distress, 73. needles, 74. ache, 75. vertebrate, 76. throb, 77. crab, 78. humming, 79. experiments

80. Our body transfers information along each _____ using an electrical impulse.
n. a cell that is specialized to carry information within the brain and between the brain and other parts of the body
81. After the accident, three governmental bodies _____ the company.
v. to oversee and control the operation or arrangement of something
82. The issue of the death penalty is highly _____.
adj. causing a lot of hot public discussion and dispute
83. The participation of oil-producing countries in the war caused _____ in the financial markets.
n. a sudden strong feeling of fear that cannot be controlled and prevents reasonable thought and action
84. The product developed through years of research continues to _____ the market.
v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
85. The extra steps in the process were deemed _____ and removed to streamline production.
adj. not needed or required; not essential or important
86. The majority of consumers _____ this brand with quality.
v. to mentally connect someone or something with someone or something else
87. The _____ fumes from the factory were causing health problems for nearby residents.
adj. harmful or poisonous to living beings; having an unpleasant or offensive smell or taste; causing intense or unpleasant emotions or feelings

ANSWERS: 80. neuron, 81. administer, 82. controversial, 83. panic, 84. electrify, 85. unnecessary, 86. associate, 87. noxious

88. He evaluated his chances for _____ rather pessimistically.

- n.* the state of continuing to exist or live, frequently in the face of difficulty or danger

89. This scripture provides the code of _____ for the religion.

- n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong

90. Energy-efficient _____ are needed to maximize the cruising distance of electric vehicles.

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

ANSWERS: 88. survival, 89. ethics, 90. motors