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James Logan: How we're using dogs to sniff out malaria | TED Talk

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

All Words

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Session 1: Word List

malaria

n. a severe disease caused by a parasite that is spread by the bite of an infected mosquito

(1) **malaria** mosquitoes, (2) **malaria-endemic** area

Many people in tropical countries die from **malaria** every year.

planet

n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

synonym: earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**

Mercury is the closest **planet** to the sun.

progression

n. the act or process of changing to the next stage or phase or moving forward

synonym: advancement, development, evolution

(1) **progression** of civilization, (2) **progression** of disease

The company has made great strides in its **progression** toward sustainability.

disease

n. a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

synonym: illness, ailment, affliction

(1) **disease** prevention, (2) **disease** control

The doctor diagnosed him with a rare **disease** that had no known cure.

undoubtedly

adv. without a doubt; certainly; definitely

synonym: surely, unquestionably, indisputably

(1) **undoubtedly** successful, (2) **undoubtedly** talented

The singer's talent is **undoubtedly** one of the greatest in the music industry

stall

v. to stop or cause to stop making progress; (noun) small area or booth set off for the sale of goods in a market or large covered area

synonym: halt, hamper, (noun) cubicle

(1) **stall** at sea, (2) **stall** in a tunnel

The negotiations proceeded slowly and finally **stalled**.

tackle

v. to try to deal with a complex problem or situation

synonym: deal with, dive into, work on

(1) **tackle** the issue, (2) help **tackle** climate change

The government is determined to **tackle** sharp inflation.

infect

v. to affect a person, an animal, or a plant with a disease-causing organism

synonym: pollute, contaminate, affect

(1) **infect** other animal species, (2) **infect** a computer with a virus

Children often **infect** parents with this head cold.

immunity

n. the ability of an organism to resist infection or disease, often due to the presence of antibodies

synonym: resistance, protection, defense

(1) **immunity** booster, (2) **immunity** response

Vaccination is an effective way to build **immunity** against diseases.

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.

infection

n. a condition in which pathogenic microorganisms or viruses have entered the body

synonym: contagion, disease, transmission

(1) a bacterial **infection**, (2) treat the **infection** with antibiotics

Hospitals must meet various standards to prevent nosocomial **infections**.

infectious

adj. able to be passed quickly from one person, animal, or plant to another, especially through air or water

synonym: contagious, epidemic, transmittable

(1) an **infectious** fever, (2) person's smile is **infectious**

Leprosy is an indolent **infectious** disease.

symptom

n. any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease

synonym: sign, manifestation, syndrome

(1) **symptoms** of low testosterone, (2) neurotic **symptoms**

The patient displays a **symptom** of a side effect.

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.

haystack

n. a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding

synonym: pile, heap, stack

(1) **haystack** fire, (2) lost in a **haystack**

The children played hide and seek in the **haystacks** in the barnyard.

statistics

n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

relax

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

synonym: soften, comfort, soothe

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

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

breath

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

synonym: air, puff, whiff

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

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

sigh

v. to emit a deep, audible breath or sound, often expressing feelings of tiredness, frustration, or relief; to express longing, wish, or regret; (noun) the act of exhaling audibly in a long, deep, and often melancholy way

synonym: breathe out, exhale, groan

(1) **sigh** deeply, (2) let out a **sigh**

He **sighed** in relief when he finally found his lost keys.

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**.

lean

adj. having a noticeably small amount of body fat; (verb) to bend or move from a straight to a sloping posture

synonym : skinny, slender, (verb) slant

(1) a **lean** horse, (2) **lean** athletic figure

Lean operational improvements often lead to better environmental performance.

armpit

n. the hollow under the arm where it joins the shoulder

synonym : underarm, axilla

(1) hair of the **armpits**, (2) **armpit** area

This stick will deodorize your **armpits**.

sniff

v. to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath

synonym : smell, inhale, scent

(1) **sniff** the air, (2) **sniff** the perfume

The dog stopped to **sniff** around the tree, looking for something interesting.

pleasant

adj. enjoyable, attractive, friendly, or agreeable

synonym : agreeable, delightful, pleasing

(1) **pleasant** news, (2) **pleasant** odor

The hotel's staff is very **pleasant** and efficient.

perfume

n. a liquid that emits and diffuses a pleasant smell, usually used on the skin

synonym : scent, aroma, bouquet

(1) a subtle **perfume**, (2) **perfume** every day

He sniffed the **perfume** voluptuously.

odor

n. a distinctive or unpleasant smell; a scent or aroma that can be sensed through the sense of smell

synonym: smell, aroma, fragrance

(1) **odor** control, (2) pleasant **odor**

The **odor** from the trash can was unbearable, so I had to take it out.

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.

typhoid

n. a severe bacterial infection that is typically spread through contaminated food or water; symptoms include fever, headache, muscle aches, and gastrointestinal problems

synonym: typhus, enteric fever

(1) **typhoid** outbreak, (2) **typhoid** vaccination

The doctor prescribed antibiotics to treat her **typhoid** symptoms.

apparently

adv. based on what you have heard or read

synonym: evidently, obviously, supposedly

(1) **apparently** simple, (2) **apparently** unrelated

The police **apparently** believed this explanation was plausible.

stale

adj. no longer fresh, new, or interesting; dull or uninteresting

synonym: old, uninteresting, dull

(1) a **stale** joke, (2) **stale** smell

The bread was **stale** and not fit for eating.

butcher

n. a person who prepares and sells meat, especially at a retail shop; a person who kills or slaughters animals, especially for food; a person who engages in the relentless or brutal treatment of others

synonym : butcherer, meat cutter, slaughterer

(1) **butcher** knife, (2) local **butcher**

He's a vegetarian and was shocked to see so much meat in the **butcher** shop.

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**.

foul

adj. extremely unpleasant, dirty, or smelling bad

synonym : nasty, loathsome, illegal

(1) **foul** day, (2) **foul** language

It was **foul** of him to betray his friend.

putrid

adj. decaying or rotting and emitting a foul or offensive odor; morally corrupt, foul, or depraved; repulsive or disgusting

synonym : rotten, decaying, decomposing

(1) turn **putrid**, (2) **putrid** atmosphere

I had to throw away the **putrid** food in the fridge because it had gone bad.

pungent

adj. having a strong, sharp odor or taste

synonym : sharp, acrid, biting

(1) **pungent** criticism, (2) **pungent** taste

The **pungent** aroma of garlic filled the kitchen.

reputation

n. the general opinion that people have about someone or something, especially when this is based on their previous experiences or behaviors

synonym : fame, standing, esteem

(1) **reputation** risk, (2) cloud his **reputation**

She has a good **reputation** for being one of the best chefs in the city.

compliment

n. an expression of praise, admiration, or approval; a polite or flattering statement intended to make someone feel good

synonym: praise, acclamation, tribute

(1) a backhanded **compliment**, (2) accept a **compliment**

Her **compliment** made my day; I felt so competent and appreciated.

detect

v. to find or recognize something, especially something difficult to see, hear, etc.

synonym: catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders

The security camera has **detected** four intruders.

chemical

adj. relating to or connected with chemistry;

synonym: chemic, synthetic

(1) toxic **chemicals**, (2) a **chemical** compound

The firm has grown into a large **chemical** manufacturing.

diagnose

v. to determine or distinguish the nature of a problem or an illness through a careful analysis

synonym: identify, analyze, interpret

(1) **diagnose** the problem, (2) **diagnose** with CT scans

This device is used to **diagnose** brain cancer and other tumors.

essentially

adv. relating to the essential features or concepts of anything

synonym: fundamentally, basically, virtually

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

Essentially, a society is an organism.

mosquito

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

synonym : insect, bug, flea

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

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

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.

bombard

v. to attack a place with bombs or gunshots continuously; to address with continuously or persistently, as if with a barrage

synonym : bomb, shoot, blitz

(1) **bombard** him with questions, (2) **bombard** a fort with heavy shells

Overprotective parents often **bombard** their children with messages reinforcing their lack of mastery.

smelly

adj. having a strong, unpleasant, or offensive odor, particularly about something decomposing or otherwise spoiled

synonym : stinky, malodorous, fetid

(1) **smelly** socks, (2) **smelly** trash

I can't stand the **smelly** odor from the garbage can, and it's unbearable.

volatile

adj. likely to change rapidly or unexpectedly, or being unstable or explosive

synonym : unstable, unpredictable, explosive

(1) highly- **volatile** elements, (2) **volatile** markets

Their relationship was **volatile** and prone to sudden outbursts of anger.

glue

n. a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials

synonym : adhesive, paste, gum

(1) **glue** stick, (2) epoxy **glue**

The carpenter applied **glue** to the cabinet joints before nailing them together.

annoying

adj. making someone feel slightly angry

synonym : aggravating, bothersome, irksome

(1) **annoying** banner ad, (2) **annoying** habit

The phone call is an **annoying** interruption.

attract

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

synonym : lure, entice, draw in

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

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

repellent

adj. serving to drive away or repel something; unpleasant or offensive and causing a strong sense of aversion or disgust

synonym : disgusting, repulsive, offensive

(1) **repellent** odor, (2) **repellent** properties

She avoided the used car salesman because she found his pushy behavior **repellent**.

clarify

v. to make something, such as a statement or situation, less confusing and more understandable

synonym : explain, ascribe, purify

(1) **clarify** a goal, (2) **clarify** his feelings

The police tried to **clarify** the facts concerning her death.

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**.

sludge

n. a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful

synonym: muck, ooze, mire

(1) **sludge** treatment, (2) **sludge** removal

The **sludge** at the bottom of the river was a toxic hazard for marine life.

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.

cycle

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

synonym: revolution, rotation, bike

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

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

parasite

n. an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense

synonym: hitchhiker, leech, saprophyte

(1) blood-sucking **parasite**, (2) **parasite** disease

Tapeworms are **parasites** that live in the intestines of humans and animals.

gut

n. the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant

synonym: belly, abdomen, courage

(1) the blind **gut**, (2) **gut** feelings

He told me a **gut-wrenching** truth about my parent's death.

cyst

n. a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require treatment

synonym : abscess, sac, lump

(1) **cyst** removal, (2) ovarian **cyst**

The patient was sent for an X-ray to determine the cause of the **cyst** in her abdomen.

saliva

n. the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion

synonym : spit, drool, slobber

(1) dog's **saliva**, (2) dry mouth with little **saliva**

The dentist asked him to spit out the excess **saliva** into the sink.

gland

n. a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream

synonym : secretor

(1) the function of the thyroid **gland**, (2) a mammary **gland**

The adrenal **glands** produce steroids.

inject

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

synonym : shoot, infiltrate, insinuate

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

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

liver

n. a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

(1) **liver** disease, (2) fatty **liver**

The patient will undergo **liver** transplant surgery tomorrow.

bloodstream

n. the blood flowing through the body

(1) **bloodstream** in an artery, (2) **bloodstream** to the brain
Cancer cells are often carried throughout the body by the **bloodstream**.

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.

incredibly

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

synonym: enormously, exceptionally, extraordinarily

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

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

manipulate

v. to influence or control something or someone to your advantage, often in an unfair or dishonest way

synonym: control, exploit, abuse

(1) **manipulate** figures, (2) vulnerable to **manipulate**

Please tell me how to **manipulate** this computer.

enhance

v. to increase or improve the quality, amount, or strength of someone or something

synonym: improve, enrich, refine

(1) **enhance** value, (2) **enhance** the flavor of the vanilla

The new strategy will **enhance** the profitability of our company.

transmission

n. the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television

synonym: transportation, communication, broadcast

(1) **transmission** speed, (2) the **transmission** gears of a car

Education is the **transmission** of civilization.

onward

adj. moving or continuing forward; progressing

synonym: forward, continuing, progressing

(1) **onward** journey, (2) **onward** progress

When traveling to some countries, you may be required to show proof of an **onward** ticket as a condition of entry.

hypothesis

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

synonym: assumption, conjecture, theory

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

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

attractive

adj. immensely appealing in look or sound; having characteristics or qualities that make something appealing and valuable

synonym: beautiful, fetching, alluring

(1) **attractive** men, (2) **attractive** opportunity

The growth of the "sharing economy" is **attractive** for tech companies.

colleague

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

synonym: coworker, associate, fellow

(1) collaborate with **colleagues**, (2) former **colleague**

I decided to seek counseling on the advice of my **colleague**.

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.

participate

v. to take part in something

synonym: take part, partake, enter

(1) **participate** fully in conversation, (2) **participate** in the program

The majority of students actively **participated** in the college's intramural sports program.

chamber

n. a large room used for a formal, public, or particular purpose; one of the parts of a parliament

synonym: association, cabin, legislature

(1) a gas **chamber**, (2) the lower **chamber**

The surgeon made an incision in the **chambers** of the patient's heart.

whatsoever

adv. not at all; no matter what

synonym: in any way, at all, in any respect

(1) **whatsoever** it be, (2) without impact **whatsoever**

He refused to do anything **whatsoever** to help her.

graph

n. a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other

synonym: chart, diagram, figure

(1) **graph** theory, (2) a **graph** sample

This bar **graph** shows sales over the past five years.

represent

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

synonym: depict, express, describe

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

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

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.

trait

n. a particular feature of your nature

synonym: attribute, feature, quality

(1) chemical **trait**, (2) personality **traits**

Multiple genes may influence behavioral **traits** concurrently.

disappear

v. to cease to exist or be visible

synonym: fade, evaporate, vanish

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

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

beacon

n. a light or other visible object serving as a signal, guide, or warning

synonym: lighthouse, guidepost, marker

(1) an aerial **beacon**, (2) **beacon** of hope

The lighthouse served as a **beacon** to guide ships safely into port.

wrap

v. to cover or enclose something entirely with paper, cloth, or other material

synonym: surround, cover, bandage

(1) **wrap** a fish in foil, (2) **wrap** up a meeting

Wrap the bandage tightly around the injured arm.

olfaction

n. the sense of smell; the ability to detect and perceive odors or scents

synonym: smell, scent, aroma

(1) **olfaction** testing, (2) **olfaction** receptors

Some animals have better **olfaction** than humans, enabling them to detect prey from farther away.

concentration

n. the ability to focus all your time and energy on one thing without thinking about anything else.

synonym:

attention, engagement, assiduity

(1) **concentration** of armaments, (2) his research area of **concentration**

This exam requires excellent **concentration** to pass.

ratio

n. the relative size or amount of one thing to another, typically expressed in the form of a fraction or decimal

synonym: proportion, rate, quota

(1) debt-to-income **ratio**, (2) **ratio** of boys to girls

The **ratio** of water to sugar in the recipe is 1:2.

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.

composition

n. the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone

synonym: creating, formatting, arrangement

(1) age **composition** of the population, (2) the piano passages in the **composition**

Their innovative concepts were consistent across their bodies of **composition**.

recipe

n. a set of instructions for preparing a dish, including the ingredients and the method of cooking

synonym: instructions, formula, method

(1) **recipe** book, (2) **recipe** collection

The **recipe** for the cake is passed down from generation to generation in her family.

ingredient

n. one of the things used to make something, especially one of the foods used to make a particular dish

synonym: element, component

(1) secret **ingredients**, (2) compound the **ingredients**
Greed is the primary **ingredient** in the making of criminals.

suite

n. a set of rooms designated for a particular purpose or activity, especially a set of rooms in a hotel or private residence used as a living unit; a musical composition of several movements only loosely connected; the group following and attending to some important person

synonym: set, series, collection

(1) **suite** room, (2) **suite** of products

The presidential **suite** is the most luxurious room in the hotel.

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**.

laboratory

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

synonym: lab, workshop, testing room

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

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

electrode

n. either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region

(1) platinum **electrodes**, (2) **electrode** corrosion

It is important to place the **electrodes** in the correct position for accurate electro-cardiogram recording.

antenna

n. an electrical device that sends or receives radio or television signals; (biology) one of one or more pairs of appendages used for sensing in insects

synonym: feeler, receiver

(1) **antenna** of insect, (2) extend the TV **antenna**
He had a special **antenna** for public relations

fiddle

v. to continuously touch or manipulate something with someone's hands, mainly when bored or nervous; to act dishonestly to try to get money, information, etc., or gain an advantage

synonym: tinker, diddle, play

(1) **fiddle** with a PC, (2) **fiddle** away the whole afternoon
She was able to **fiddle** a free trip to the United States.

incredible

adj. unbelievable; enormous

synonym: unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed
Her response revealed **incredible** idiocy.

sneeze

v. to make a sudden, involuntary expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants

synonym: exhale, whiff, blow

(1) **sneeze** into my hand, (2) **sneeze** loudly
Whenever I get a cold, I tend to **sneeze** a lot.

electrical

adj. relating to electricity

(1) an **electrical** storm, (2) degree in **electrical** engineering
Actuators convert **electrical** pulses into motion.

receptor

n. an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way

(1) cellular **receptor**, (2) **receptor** for HIV in humans
Hay fever occurs when a substance called histamine binds to **receptors** in the nose and eyes.

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.

tick *n.* a light, sharp, repetitive sound or action; a mark indicating that something is correct or has been done; any of two families of small parasitic arachnids with barbed proboscis
synonym: sound, noise, beat
(1) **tick** of the clock, (2) **tick** fever
I always put a **tick** mark next to the items on my grocery list after buying them.

crazy *adj.* stupid or not sensible; very angry
synonym: insane, absurd, bizarre
(1) **crazy** about cars and racing, (2) a **crazy** scheme
The rain and thunder are **crazy** today.

raspberry *n.* a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside
synonym: blackberry, bramble, dewberry
(1) **raspberry** flavor, (2) **raspberry** tea
The **raspberry** cheesecake at that restaurant is out of this world.

crackle *v.* to make a succession of slight popping sounds, often due to the heating or drying of some materials, such as firewood, paper, plastic, or food; to snap, crack, or crunch; (noun) a series of sharp, popping sounds that are caused by the rapid expansion and contraction of a material, such as wood or paper, due to changes in temperature or humidity
synonym: sizzle, hiss, snap
(1) **crackle** on the gravel road, (2) the **crackle** of the thunder
The firewood **crackled** and popped into the fireplace, sending sparks up the chimney.

weird

adj. extraordinary, unexpected, or difficult to explain
synonym : bizarre, creepy, peculiar

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

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

concept

n. an idea or principle associated with something abstract
synonym : idea, notion, vision

(1) learn new **concepts**, (2) **concept** car

One such rapidly growing **concept** is quantum cryptography.

compound

n. an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements

synonym : combination, mixture, blend

(1) aquatic **compound**, (2) harmful **compound**

Common salt is a sodium and chlorine **compound**.

aldehyde

n. a type of organic chemical compound that features a carbonyl group (a carbon atom double-bonded to an oxygen atom) at the end of a carbon chain, often used in the manufacture of various products, including plastics, solvents and fragrances

(1) **aldehyde** molecule, (2) glyoxylic **aldehyde**

The **aldehyde** group is a key functional group in organic chemistry.

sensor

n. a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner

synonym : detector

(1) motion **sensor** lighting, (2) an image **sensor**

This automatic door could no longer be opened due to a **sensor** failure.

harness

v. to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to

control or hold in place a person, animal, or object

synonym: rein in, control, (noun) belt

(1) **harness** a horse to a carriage, (2) put a **harness** on my pet

People have been exploring ways to **harness** natural forces and resources since ancient times.

communal

adj. belonging to or used by a group rather than individuals; for common use

synonym: collaborative, combined, collective

(1) **communal** swimming pool, (2) **communal** combination of funds

Communal elections were held in several European countries.

lug

v. to carry or drag something with effort; to pull something along with a sudden or jerky motion

synonym: carry, haul, transport

(1) **lug** a hose, (2) **lug** my son into a room

He had to **lug** the heavy suitcase up the stairs.

explosive

adj. easily able or likely to shatter violently or burst apart; sudden and loud

synonym: volatile, dangerous, fiery

(1) **explosive** device, (2) an **explosive** personality

This container stores an **explosive** substance.

charity

n. an organization that helps people in need, especially by providing food, shelter, or money; a kindly and sympathetic attitude toward people

synonym: philanthropy, benevolence, generosity

(1) **charity** work, (2) ask **charity**

She volunteers at a local **charity** every weekend to help those in need.

medical

adj. relating to the treatment of illness or injuries; relating to the practice of medicine

synonym: health, disease, treatment

(1) a **medical** opinion, (2) temporary **medical** treatment

The **medical** team worked quickly to save the patient's life.

detection

n. the act of discovering or identifying the presence of something

synonym: discovery, identification, recognition

(1) **detection** by the security software, (2) importance of early **detection**

This smartphone has a collision **detection** function.

nylon

n. a synthetic material used for making clothes, ropes, brushes, etc.

(1) **nylon** cloth, (2) **nylon** thread

We supply the military with durable vests made of **nylon**.

dull

adj. not interesting or exciting; not bright, vivid, or shiny; not active, brisk, or sharp

synonym: insensitive, unintelligent, boring

(1) a **dull** pain, (2) **dull** sight

The trade is **dull** right now due to the collapse of the prominent investment bank.

calm

adj. not excited, angry, or nervous; free from wind, large waves

synonym: quiet, peaceful, tranquility

(1) **calm** sea, (2) **calm** manner

It was the first time in a long time that I felt truly **calm** and at peace.

contraption

n. a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual

synonym: device, gadget, machinery

(1) farming **contraption**, (2) complicated **contraption**

The inventor created a **contraption** that could turn salt water into drinking water.

blind

adj. unable to see; unable or unwilling to perceive or understand the true nature of something

synonym : sightless, unseeing, random

(1) **blind** to the beauties, (2) **blind** spot

She was nearly **blind** due to severe diabetes.

genuine

adj. real and exactly; not pretended; sincerely felt or expressed

synonym : actual, honest, unpretending

(1) a **genuine** article, (2) show **genuine** regret

Is this painting **genuine** or forged?

fantastic

adj. extremely good; excellent

synonym : incredible, unbelievable, marvelous

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

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

freezer

n. a device that keeps food, beverages, or other perishable items at low temperatures to maintain their freshness or preserve them for later use

synonym : refrigerator, icebox, cooler

(1) portable **freezer**, (2) **freezer** bag

I put the ice cream in the **freezer** to keep it from melting.

brilliant

adj. extremely clever, skilled, or impressive

synonym : luminous, intelligent, clever

(1) **brilliant** idea, (2) **brilliant** performance

The more **brilliant** you are, the more people around you look at you with envy and jealousy.

applause

n. a demonstration of approval or praise by clapping the hands together

synonym : clapping, cheering, acclaim

(1) round of **applause**, (2) earn **applause**
The **applause** burst from the audience.

demonstration

n. a display or show, often of a particular skill or product, intended to convince or persuade others

synonym: manifestation, presentation, show

(1) **demonstration** project, (2) a campus **demonstration**
Thousands of people attended the protest **demonstration** against the proposed policy.

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.

criteria

n. (plural of criterion) standards or conditions by which something may be judged or decided

synonym: bars, benchmarks, standards

(1) **criteria** for action, (2) consistency **criteria**
He didn't meet all the **criteria**, but he was hired anyway.

organization

n. a group of people who work together for a shared purpose

synonym: association, institution, community

(1) **organization** chart, (2) agricultural **organization**
She is the president of a large international **organization**.

deploy

v. to move troops or weapons into a position or military action; to bring into something in an effective way

synonym: set up, expand, launch

(1) **deploy** troops for battle, (2) **deploy** safety measures
This country **deployed** its weapons in the east region.

technological

adj. based on scientific and industrial progress

synonym: specialized, technical

(1) **technological** advancement, (2) **technological** policy
Technological advances have disrupted many industries.

empower

v. to give someone the power or authority to do something
synonym: authorize, endow, entitle

(1) **empower** my life, (2) **empower** the secretary to do the same

The company **empowered** employees to buy low-price items without approval to achieve efficient purchasing.

patch

n. a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose

synonym: mend, repair, fix

(1) **patch** of grass, (2) software **patch**

I need to sew a **patch** onto my jeans that ripped.

sweat

n. the salty liquid that is produced by the glands in the skin, especially when the body is hot or under stress

synonym: perspiration, steam, hardwork

(1) all in a **sweat**, (2) **sweat** bath

She wiped the **sweat** off her forehead with a towel.

smartwatch

n. a wearable computing device in the form of a watch

(1) high-end **smartwatch**, (2) multifunctional **smartwatch**

Various companies, including software companies, are entering the **smartwatch** market.

alert

v. to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action

synonym: warn, inform, (adjective) vigilant

(1) **alert** consumers to the dangers, (2) **alert** system

The company's cybersecurity team **alerted** the CEO to potential threats.

digital

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

synonym: numerical, computerized, cyber

(1) a **digital** watch, (2) **digital** electronic signature

Sensors convert physical phenomena into **digital** signals.

revolutionize

v. to bring about a complete or radical change in something, often through the introduction of new methods or ideas

synonym: transform, innovate, modernize

(1) **revolutionize** the industry, (2) **revolutionize** the technology

The invention of the smartphone **revolutionized** the way we communicate with each other.

outbreak

n. a sudden start of something, usually a disease or something dangerous or unpleasant

synonym: eruption, outburst, explosion

(1) infectious disease **outbreaks**, (2) the **outbreak** of hostilities

The government predicts an epidemic **outbreak** of multiple viruses, including coronaviruses and influenza.

ultimate

adj. furthest or highest in degree or order

synonym: highest, maximum, foremost

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

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

eradicate

v. to get rid of or destroy something completely, especially something bad

synonym: destroy, eliminate, exterminate

(1) **eradicate** the deficit, (2) **eradicate** racial discrimination

We are trying to **eradicate** this disease from the world.

cease

v. to stop an action or event

synonym: stop, end, terminate

(1) **cease** to exist, (2) **cease** drinking

The company decided to **cease** production of the product.

amaze

v. to fill with wonder, surprise, or admiration

synonym: astound, surprise, stagger

(1) **amaze** and entertain visitors, (2) **amaze** everyone

The magician's tricks **amazed** the audience.

Session 2: Spelling

- | | |
|--------------------------------|---|
| 1. rep_____on risk | <i>n.</i> the general opinion that people have about someone or something, especially when this is based on their previous experiences or behaviors |
| 2. sn__f the perfume | <i>v.</i> to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath |
| 3. app_____ly simple | <i>adv.</i> based on what you have heard or read |
| 4. em_____r my life | <i>v.</i> to give someone the power or authority to do something |
| 5. par_____te in the program | <i>v.</i> to take part in something |
| 6. ex_____ve device | <i>adj.</i> easily able or likely to shatter violently or burst apart; sudden and loud |
| 7. official sta_____cs | <i>n.</i> the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data |
| 8. a me_____l opinion | <i>adj.</i> relating to the treatment of illness or injuries; relating to the practice of medicine |
| 9. sta_____cs for cancer | <i>n.</i> the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data |
| 10. help ta___e climate change | <i>v.</i> to try to deal with a complex problem or situation |

ANSWERS: 1. reputation, 2. sniff, 3. apparently, 4. empower, 5. participate, 6. explosive, 7. statistics, 8. medical, 9. statistics, 10. tackle

11. br_____nt performance *adj.* extremely clever, skilled, or impressive
12. pa_____te disease *n.* an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
13. without impact wha_____er *adv.* not at all; no matter what
14. a d__l pain *adj.* not interesting or exciting; not bright, vivid, or shiny; not active, brisk, or sharp
15. an inf_____us fever *adj.* able to be passed quickly from one person, animal, or plant to another, especially through air or water
16. c__m manner *adj.* not excited, angry, or nervous; free from wind, large waves
17. ol_____on testing *n.* the sense of smell; the ability to detect and perceive odors or scents
18. software pa__h *n.* a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose
19. genic com_____ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
20. earn ap_____se *n.* a demonstration of approval or praise by clapping the hands together
21. pro_____on of disease *n.* the act or process of changing to the next stage or phase or moving forward
22. re_____nt properties *adj.* serving to drive away or repel something; unpleasant or offensive and causing a strong sense of aversion or disgust

ANSWERS: 11. brilliant, 12. parasite, 13. whatsoever, 14. dull, 15. infectious, 16. calm, 17. olfaction, 18. patch, 19. combination, 20. applause, 21. progression, 22. repellent

23. de___y troops for battle *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
24. put a ha_____s on my pet *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object
25. an ele_____al storm *adj.* relating to electricity
26. tec_____cal advancement *adj.* based on scientific and industrial progress
27. cl_____y his feelings *v.* to make something, such as a statement or situation, less confusing and more understandable
28. en_____e value *v.* to increase or improve the quality, amount, or strength of someone or something
29. pa__h of grass *n.* a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose
30. the blind g_t *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
31. re___e collection *n.* a set of instructions for preparing a dish, including the ingredients and the method of cooking

ANSWERS: 23. deploy, 24. harness, 25. electrical, 26. technological, 27. clarify, 28. enhance, 29. patch, 30. gut, 31. recipe

32. personality tr__ts *n.* a particular feature of your nature
33. di_____se with CT scans *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
34. di_____e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
35. ta___e the issue *v.* to try to deal with a complex problem or situation
36. bl__d spot *adj.* unable to see; unable or unwilling to perceive or understand the true nature of something
37. g__e stick *n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials
38. a mammary gl__d *n.* a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream
39. fi___e away the whole afternoon *v.* to continuously touch or manipulate something with someone's hands, mainly when bored or nervous; to act dishonestly to try to get money, information, etc., or gain an advantage
40. former co_____ue *n.* one of a group of a coworker, especially in a profession or a business
41. sn___e loudly *v.* to make a sudden, involuntary expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants

ANSWERS: 32. trait, 33. diagnose, 34. disease, 35. tackle, 36. blind, 37. glue, 38. gland, 39. fiddle, 40. colleague, 41. sneeze

42. an____a of insect *n.* an electrical device that sends or receives radio or television signals; (biology) one of one or more pairs of appendages used for sensing in insects
43. al____de molecule *n.* a type of organic chemical compound that features a carbonyl group (a carbon atom double-bonded to an oxygen atom) at the end of a carbon chain, often used in the manufacture of various products, including plastics, solvents and fragrances
44. go to the workplace by cy__e *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
45. sy____ms of low testosterone *n.* any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
46. am__e and entertain visitors *v.* to fill with wonder, surprise, or admiration
47. sm____y socks *adj.* having a strong, unpleasant, or offensive odor, particularly about something decomposing or otherwise spoiled
48. rev______ize the industry *v.* to bring about a complete or radical change in something, often through the introduction of new methods or ideas
49. local bu____r *n.* a person who prepares and sells meat, especially at a retail shop; a person who kills or slaughters animals, especially for food; a person who engages in the relentless or brutal treatment of others

ANSWERS: 42. antenna, 43. aldehyde, 44. cycle, 45. symptom, 46. amaze, 47. smelly, 48. revolutionize, 49. butcher

50. w__p up a meeting *v.* to cover or enclose something entirely with paper, cloth, or other material
51. the function of the thyroid gl__d *n.* a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream
52. ess_____ly correct *adv.* relating to the essential features or concepts of anything
53. ce__e to exist *v.* to stop an action or event
54. und_____ly successful *adv.* without a doubt; certainly; definitely
55. f__l language *adj.* extremely unpleasant, dirty, or smelling bad
56. as_____te alcohol with gambling *v.* to mentally connect someone or something with someone or something else
57. sn__f the air *v.* to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath
58. de___t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
59. get ne_____s *adj.* worried and anxious about something; relating to the nerves
60. o__r control *n.* a distinctive or unpleasant smell; a scent or aroma that can be sensed through the sense of smell
61. let out a s__h *v.* to emit a deep, audible breath or sound, often expressing feelings of tiredness, frustration, or relief; to express longing, wish, or regret; (noun) the act of exhaling audibly in a long, deep, and often melancholy way

ANSWERS: 50. wrap, 51. gland, 52. essentially, 53. cease, 54. undoubtedly, 55. foul, 56. associate, 57. sniff, 58. detect, 59. nervous, 60. odor, 61. sigh

62. pl_____nt odor *adj.* enjoyable, attractive, friendly, or agreeable
63. att_____ve opportunity *adj.* immensely appealing in look or sound; having characteristics or qualities that make something appealing and valuable
64. in____t under the skin *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
65. an ex_____ve personality *adj.* easily able or likely to shatter violently or burst apart; sudden and loud
66. motion se____r lighting *n.* a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner
67. ovarian c__t *n.* a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require treatment
68. toxic ch_____als *adj.* relating to or connected with chemistry;
69. 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
70. ob_____s reasons *adj.* easy to see, discover or understand

ANSWERS: 62. pleasant, 63. attractive, 64. inject, 65. explosive, 66. sensor, 67. cyst, 68. chemical, 69. develop, 70. obvious

71. co____al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
72. the state of being we__d *adj.* extraordinary, unexpected, or difficult to explain
73. agricultural org____ion *n.* a group of people who work together for a shared purpose
74. dem____ion project *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
75. at____t customers *v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones
76. the lower ch____r *n.* a large room used for a formal, public, or particular purpose; one of the parts of a parliament
77. al__t system *v.* to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action
78. st__e smell *adj.* no longer fresh, new, or interesting; dull or uninteresting
79. treat the in____on with antibiotics *n.* a condition in which pathogenic microorganisms or viruses have entered the body
80. cr__y about cars and racing *adj.* stupid or not sensible; very angry
81. importance of early de____on *n.* the act of discovering or identifying the presence of something
82. st__l in a tunnel *v.* to stop or cause to stop making progress; (noun) small area or booth set off for the sale of goods in a market or large covered area

ANSWERS: 71. communal, 72. weird, 73. organization, 74. demonstration, 75. attract, 76. chamber, 77. alert, 78. stale, 79. infection, 80. crazy, 81. detection, 82. stall

83. pu____t criticism *adj.* having a strong, sharp odor or taste
84. pu____t taste *adj.* having a strong, sharp odor or taste
85. di____l electronic signature *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
86. pl____nt news *adj.* enjoyable, attractive, friendly, or agreeable
87. his conclusion was ob____s *adj.* easy to see, discover or understand
88. cl____y a goal *v.* to make something, such as a statement or situation, less confusing and more understandable
89. pleasant o__r *n.* a distinctive or unpleasant smell; a scent or aroma that can be sensed through the sense of smell
90. li__r disease *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
91. development of the ne____s system *adj.* worried and anxious about something; relating to the nerves
92. highly-vo____le elements *adj.* likely to change rapidly or unexpectedly, or being unstable or explosive
93. di____se the problem *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
94. a ch____al compound *adj.* relating to or connected with chemistry;

ANSWERS: 83. pungent, 84. pungent, 85. digital, 86. pleasant, 87. obvious, 88. clarify, 89. odor, 90. liver, 91. nervous, 92. volatile, 93. diagnose, 94. chemical

95. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
96. in___t biology *n.* any small creature that has six legs and a body divided into three sections
97. as_____te with people widely *v.* to mentally connect someone or something with someone or something else
98. su__e room *n.* a set of rooms designated for a particular purpose or activity, especially a set of rooms in a hotel or private residence used as a living unit; a musical composition of several movements only loosely connected; the group following and attending to some important person
99. glyoxylic al_____de *n.* a type of organic chemical compound that features a carbonyl group (a carbon atom double-bonded to an oxygen atom) at the end of a carbon chain, often used in the manufacture of various products, including plastics, solvents and fragrances
100. l___n athletic figure *adj.* having a noticeably small amount of body fat; (verb) to bend or move from a straight to a sloping posture
101. ny__n cloth *n.* a synthetic material used for making clothes, ropes, brushes, etc.
102. a ge_____e article *adj.* real and exactly; not pretended; sincerely felt or expressed

ANSWERS: 95. environment, 96. insect, 97. associate, 98. suite, 99. aldehyde, 100. lean, 101. nylon, 102. genuine

103. org_____ion chart *n.* a group of people who work together for a shared purpose
104. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
105. all in a sw__t *n.* the salty liquid that is produced by the glands in the skin, especially when the body is hot or under stress
106. a subtle pe_____e *n.* a liquid that emits and diffuses a pleasant smell, usually used on the skin
107. neurotic sy_____ms *n.* any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
108. de___y safety measures *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
109. ma_____a mosquitoes *n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
110. pro_____on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
111. a cr__y scheme *adj.* stupid or not sensible; very angry
112. re_____or for HIV in humans *n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way
113. ha_____s a horse to a carriage *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object

ANSWERS: 103. organization, 104. experiment, 105. sweat, 106. perfume, 107. symptom, 108. deploy, 109. malaria, 110. progression, 111. crazy, 112. receptor, 113. harness

114. his research area of
con_____ion
115. att_____ve men
116. di_____ar without a trace
117. at inc_____le speed
118. a st__e joke
119. an aerial be____n
120. ch_____y work
121. exp_____nt design
122. farming con_____on
123. ty_____d vaccination
- n.* the ability to focus all your time and energy on one thing without thinking about anything else.
- adj.* immensely appealing in look or sound; having characteristics or qualities that make something appealing and valuable
- v.* to cease to exist or be visible
- adj.* unbelievable; enormous
- adj.* no longer fresh, new, or interesting; dull or uninteresting
- n.* a light or other visible object serving as a signal, guide, or warning
- n.* an organization that helps people in need, especially by providing food, shelter, or money; a kindly and sympathetic attitude toward people
- n.* the scientific test conducted to observe what happens and gain new knowledge
- n.* a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual
- n.* a severe bacterial infection that is typically spread through contaminated food or water; symptoms include fever, headache, muscle aches, and gastrointestinal problems

ANSWERS: 114. concentration, 115. attractive, 116. disappear, 117. incredible, 118. stale, 119. beacon, 120. charity, 121. experiment, 122. contraption, 123. typhoid

124. re_____nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
125. man_____te figures *v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way
126. t__k of the clock *n.* a light, sharp, repetitive sound or action; a mark indicating that something is correct or has been done; any of two families of small parasitic arachnids with barbed proboscis
127. an_____ng habit *adj.* making someone feel slightly angry
128. secret ing_____nts *n.* one of the things used to make something, especially one of the foods used to make a particular dish
129. cr_____ia for action *n.* (plural of criterion) standards or conditions by which something may be judged or decided
130. co_____t car *n.* an idea or principle associated with something abstract
131. w__p a fish in foil *v.* to cover or enclose something entirely with paper, cloth, or other material
132. the piano passages in the
com_____on *n.* the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone
133. a gas ch_____r *n.* a large room used for a formal, public, or particular purpose; one of the parts of a parliament

ANSWERS: 124. represent, 125. manipulate, 126. tick, 127. annoying, 128. ingredient, 129. criteria, 130. concept, 131. wrap, 132. composition, 133. chamber

134. gr__h theory *n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
135. en____e the flavor of the vanilla *v.* to increase or improve the quality, amount, or strength of someone or something
136. test my hyp____is *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
137. ol____on receptors *n.* the sense of smell; the ability to detect and perceive odors or scents
138. a we__d dress *adj.* extraordinary, unexpected, or difficult to explain
139. in___t a computer with a virus *v.* to affect a person, an animal, or a plant with a disease-causing organism
140. the cr____e of the thunder *v.* to make a succession of slight popping sounds, often due to the heating or drying of some materials, such as firewood, paper, plastic, or food; to snap, crack, or crunch; (noun) a series of sharp, popping sounds that are caused by the rapid expansion and contraction of a material, such as wood or paper, due to changes in temperature or humidity
141. anthropology lab____ry *n.* a workplace for doing scientific research or teaching science; a lab
142. ra__o of boys to girls *n.* the relative size or amount of one thing to another, typically expressed in the form of a fraction or decimal

ANSWERS: 134. graph, 135. enhance, 136. hypothesis, 137. olfaction, 138. weird, 139. infect, 140. crackle, 141. laboratory, 142. ratio

143. ny__n thread *n.* a synthetic material used for making clothes, ropes, brushes, etc.
144. eve_____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
145. age com_____on of the population *n.* the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone
146. vulnerable to man_____te *v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way
147. fi___e with a PC *v.* to continuously touch or manipulate something with someone's hands, mainly when bored or nervous; to act dishonestly to try to get money, information, etc., or gain an advantage
148. ma_____a-endemic area *n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
149. platinum el_____des *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
150. de___t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
151. learn new co_____ts *n.* an idea or principle associated with something abstract
152. a l__n horse *adj.* having a noticeably small amount of body fat; (verb) to bend or move from a straight to a sloping posture

ANSWERS: 143. nylon, 144. eventually, 145. composition, 146. manipulate, 147. fiddle, 148. malaria, 149. electrode, 150. detect, 151. concept, 152. lean

153. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
154. app_____ly unrelated *adv.* based on what you have heard or read
155. a backhanded com_____nt *n.* an expression of praise, admiration, or approval; a polite or flattering statement intended to make someone feel good
156. aquatic co_____nd *n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
157. ind_____al freedom *n.* a single person or thing, as distinct from a group
158. round of ap_____se *n.* a demonstration of approval or praise by clapping the hands together
159. sm____y trash *adj.* having a strong, unpleasant, or offensive odor, particularly about something decomposing or otherwise spoiled
160. com_____on number *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
161. dry mouth with little sa____a *n.* the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion
162. sw__t bath *n.* the salty liquid that is produced by the glands in the skin, especially when the body is hot or under stress

ANSWERS: 153. sophisticated, 154. apparently, 155. compliment, 156. compound, 157. individual, 158. applause, 159. smelly, 160. combination, 161. saliva, 162. sweat

163. fr____r bag *n.* a device that keeps food, beverages, or other perishable items at low temperatures to maintain their freshness or preserve them for later use
164. save the pl____t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
165. be____n of hope *n.* a light or other visible object serving as a signal, guide, or warning
166. par____te fully in conversation *v.* to take part in something
167. eve____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
168. cellular re____or *n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way
169. mo____to bite *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
170. 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
171. c__t removal *n.* a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require treatment

ANSWERS: 163. freezer, 164. planet, 165. beacon, 166. participate, 167. eventually, 168. receptor, 169. mosquito, 170. needle, 171. cyst

172. ha____ck fire *n.* a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding
173. bl__d to the beauties *adj.* unable to see; unable or unwilling to perceive or understand the true nature of something
174. a gr__h sample *n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
175. sn___e into my hand *v.* to make a sudden, involuntary expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants
176. ce__e drinking *v.* to stop an action or event
177. high-end sma_____ch *n.* a wearable computing device in the form of a watch
178. r_t with age *v.* to decay, or cause something to decay, naturally and gradually
179. a bacterial in_____on *n.* a condition in which pathogenic microorganisms or viruses have entered the body
180. st__l at sea *v.* to stop or cause to stop making progress; (noun) small area or booth set off for the sale of goods in a market or large covered area
181. fatty li__r *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

ANSWERS: 172. haystack, 173. blind, 174. graph, 175. sneeze, 176. cease, 177. smartwatch, 178. rot, 179. infection, 180. stall, 181. liver

182. compound the ing_____nts *n.* one of the things used to make something, especially one of the foods used to make a particular dish
183. cr_____e on the gravel road *v.* to make a succession of slight popping sounds, often due to the heating or drying of some materials, such as firewood, paper, plastic, or food; to snap, crack, or crunch; (noun) a series of sharp, popping sounds that are caused by the rapid expansion and contraction of a material, such as wood or paper, due to changes in temperature or humidity
184. re_____nt odor *adj.* serving to drive away or repel something; unpleasant or offensive and causing a strong sense of aversion or disgust
185. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
186. hold your br____h *n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
187. absolutely fa_____ic event *adj.* extremely good; excellent
188. in____t antenna *n.* any small creature that has six legs and a body divided into three sections
189. complicated con_____on *n.* a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual

ANSWERS: 182. ingredient, 183. crackle, 184. repellent, 185. sophisticated, 186. breath, 187. fantastic, 188. insect, 189. contraption

190. und_____ly talented *adv.* without a doubt; certainly; definitely
191. pl___t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
192. a fa_____ic dress *adj.* extremely good; excellent
193. hair of the ar___ts *n.* the hollow under the arm where it joins the shoulder
194. di_____e prevention *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
195. pe_____e every day *n.* a liquid that emits and diffuses a pleasant smell, usually used on the skin
196. the characters that re_____nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
197. im_____ty booster *n.* the ability of an organism to resist infection or disease, often due to the presence of antibodies
198. on___d progress *adj.* moving or continuing forward; progressing
199. bo_____d him with questions *v.* to attack a place with bombs or gunshots continuously; to address with continuously or persistently, as if with a barrage
200. l_g a hose *v.* to carry or drag something with effort; to pull something along with a sudden or jerky motion

ANSWERS: 190. undoubtedly, 191. planet, 192. fantastic, 193. armpit, 194. disease, 195. perfume, 196. represent, 197. immunity, 198. onward, 199. bombard, 200. lug

201. ra_____ry flavor *n.* a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside
202. blood-sucking pa_____te *n.* an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
203. el_____de corrosion *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
204. a campus dem_____ion *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
205. degree in ele_____al engineering *adj.* relating to electricity
206. the ou_____ak of hostilities *n.* a sudden start of something, usually a disease or something dangerous or unpleasant
207. the tra_____ion gears of a car *n.* the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television
208. on____d journey *adj.* moving or continuing forward; progressing
209. begin to r_t *v.* to decay, or cause something to decay, naturally and gradually
210. a di_____l watch *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

ANSWERS: 201. raspberry, 202. parasite, 203. electrode, 204. demonstration, 205. electrical, 206. outbreak, 207. transmission, 208. onward, 209. rot, 210. digital

211. sl___e treatment *n.* a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful
212. multifunctional sma_____ch *n.* a wearable computing device in the form of a watch
213. 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
214. cloud his rep_____on *n.* the general opinion that people have about someone or something, especially when this is based on their previous experiences or behaviors
215. a bold hyp_____is *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
216. harmful co_____nd *n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
217. inc_____ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely
218. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
219. lost in a ha_____ck *n.* a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding
220. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab

ANSWERS: 211. sludge, 212. smartwatch, 213. needle, 214. reputation, 215. hypothesis, 216. compound, 217. incredibly, 218. lab, 219. haystack, 220. laboratory

221. im____ty response *n.* the ability of an organism to resist infection or disease, often due to the presence of antibodies
222. show ge_____e regret *adj.* real and exactly; not pretended; sincerely felt or expressed
223. bo_____d a fort with heavy shells *v.* to attack a place with bombs or gunshots continuously; to address with continuously or persistently, as if with a barrage
224. tec_____cal policy *adj.* based on scientific and industrial progress
225. wha_____er it be *adv.* not at all; no matter what
226. extend the TV an_____a *n.* an electrical device that sends or receives radio or television signals; (biology) one of one or more pairs of appendages used for sensing in insects
227. ty_____d outbreak *n.* a severe bacterial infection that is typically spread through contaminated food or water; symptoms include fever, headache, muscle aches, and gastrointestinal problems
228. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
229. in____t other animal species *v.* to affect a person, an animal, or a plant with a disease-causing organism
230. l_g my son into a room *v.* to carry or drag something with effort; to pull something along with a sudden or jerky motion

ANSWERS: 221. immunity, 222. genuine, 223. bombard, 224. technological, 225. whatsoever, 226. antenna, 227. typhoid, 228. environment, 229. infect, 230. lug

231. co____al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
232. rev_____ize the technology *v.* to bring about a complete or radical change in something, often through the introduction of new methods or ideas
233. get inc_____ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely
234. d__l sight *adj.* not interesting or exciting; not bright, vivid, or shiny; not active, brisk, or sharp
235. the ul_____te luxury *adj.* furthest or highest in degree or order
236. su__e of products *n.* a set of rooms designated for a particular purpose or activity, especially a set of rooms in a hotel or private residence used as a living unit; a musical composition of several movements only loosely connected; the group following and attending to some important person
237. dog's sa____a *n.* the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion
238. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
239. am__e everyone *v.* to fill with wonder, surprise, or admiration
240. ar____t area *n.* the hollow under the arm where it joins the shoulder
241. br____h of wind *n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs

ANSWERS: 231. communal, 232. revolutionize, 233. incredibly, 234. dull, 235. ultimate, 236. suite, 237. saliva, 238. lab, 239. amaze, 240. armpit, 241. breath

242. inc_____le amount	<i>adj.</i> unbelievable; enormous
243. an_____ng banner ad	<i>adj.</i> making someone feel slightly angry
244. br_____nt idea	<i>adj.</i> extremely clever, skilled, or impressive
245. c__m sea	<i>adj.</i> not excited, angry, or nervous; free from wind, large waves
246. f__l day	<i>adj.</i> extremely unpleasant, dirty, or smelling bad
247. a private ind_____al	<i>n.</i> a single person or thing, as distinct from a group
248. er_____te the deficit	<i>v.</i> to get rid of or destroy something completely, especially something bad
249. collaborate with co_____ues	<i>n.</i> one of a group of a coworker, especially in a profession or a business
250. chemical tr__t	<i>n.</i> a particular feature of your nature
251. al__t consumers to the dangers	<i>v.</i> to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action
252. accept a com_____nt	<i>n.</i> an expression of praise, admiration, or approval; a polite or flattering statement intended to make someone feel good
253. com_____ty theory	<i>n.</i> the state or quality of being complicated or intricate and difficult to understand
254. ask ch_____y	<i>n.</i> an organization that helps people in need, especially by providing food, shelter, or money; a kindly and sympathetic attitude toward people
255. at_____t attention	<i>v.</i> to draw or entice someone or something towards them through the qualities they have, especially positive ones

ANSWERS: 242. incredible, 243. annoying, 244. brilliant, 245. calm, 246. foul, 247. individual, 248. eradicate, 249. colleague, 250. trait, 251. alert, 252. compliment, 253. complexity, 254. charity, 255. attract

256. t__k fever *n.* a light, sharp, repetitive sound or action; a mark indicating that something is correct or has been done; any of two families of small parasitic arachnids with barbed proboscis
257. an image se___r *n.* a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner
258. re__x at home *v.* to become or cause someone to become less active or tense and calmer
259. temporary me_____l treatment *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
260. er_____te racial discrimination *v.* to get rid of or destroy something completely, especially something bad
261. re__x a series of muscles *v.* to become or cause someone to become less active or tense and calmer
262. g_t feelings *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
263. di_____ar after a week *v.* to cease to exist or be visible
264. ra_____ry tea *n.* a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside
265. the ul_____te goal in life *adj.* furthest or highest in degree or order

ANSWERS: 256. tick, 257. sensor, 258. relax, 259. medical, 260. eradicate, 261. relax, 262. gut, 263. disappear, 264. raspberry, 265. ultimate

266. tra_____ion speed *n.* the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television
267. 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
268. bu_____r knife *n.* a person who prepares and sells meat, especially at a retail shop; a person who kills or slaughters animals, especially for food; a person who engages in the relentless or brutal treatment of others
269. pu____d atmosphere *adj.* decaying or rotting and emitting a foul or offensive odor; morally corrupt, foul, or depraved; repulsive or disgusting
270. blo_____am to the brain *n.* the blood flowing through the body
271. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
272. infectious disease ou_____aks *n.* a sudden start of something, usually a disease or something dangerous or unpleasant
273. person's smile is inf_____us *adj.* able to be passed quickly from one person, animal, or plant to another, especially through air or water
274. become ess_____ly same *adv.* relating to the essential features or concepts of anything

ANSWERS: 266. transmission, 267. develop, 268. butcher, 269. putrid, 270. bloodstream, 271. complexity, 272. outbreak, 273. infectious, 274. essentially

275. de_____on by the security software *n.* the act of discovering or identifying the presence of something
276. turn pu___d *adj.* decaying or rotting and emitting a foul or offensive odor; morally corrupt, foul, or depraved; repulsive or disgusting
277. epoxy g__e *n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials
278. portable fr_____r *n.* a device that keeps food, beverages, or other perishable items at low temperatures to maintain their freshness or preserve them for later use
279. vo_____le markets *adj.* likely to change rapidly or unexpectedly, or being unstable or explosive
280. blo_____am in an artery *n.* the blood flowing through the body
281. mo_____to repellent *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
282. consistency cr_____ia *n.* (plural of criterion) standards or conditions by which something may be judged or decided
283. in___t a personal opinion into a debate *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
284. em_____r the secretary to do the same *v.* to give someone the power or authority to do something

ANSWERS: 275. detection, 276. putrid, 277. glue, 278. freezer, 279. volatile, 280. bloodstream, 281. mosquito, 282. criteria, 283. inject, 284. empower

285. the cy__e of the seasons *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
286. re___e book *n.* a set of instructions for preparing a dish, including the ingredients and the method of cooking
287. con_____ion of armaments *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
288. s__h deeply *v.* to emit a deep, audible breath or sound, often expressing feelings of tiredness, frustration, or relief; to express longing, wish, or regret; (noun) the act of exhaling audibly in a long, deep, and often melancholy way
289. debt-to-income ra__o *n.* the relative size or amount of one thing to another, typically expressed in the form of a fraction or decimal
290. sl___e removal *n.* a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful

ANSWERS: 285. cycle, 286. recipe, 287. concentration, 288. sigh, 289. ratio, 290. sludge

Session 3: Fill in the Blanks

1. The dog stopped to _____ around the tree, looking for something interesting.
v. to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath
2. The firewood _____ and popped into the fireplace, sending sparks up the chimney.
v. to make a succession of slight popping sounds, often due to the heating or drying of some materials, such as firewood, paper, plastic, or food; to snap, crack, or crunch; (noun) a series of sharp, popping sounds that are caused by the rapid expansion and contraction of a material, such as wood or paper, due to changes in temperature or humidity
3. The _____ burst from the audience.
n. a demonstration of approval or praise by clapping the hands together
4. The _____ to the safe was a secret.
n. a collection of things that have been combined; an assemblage of separate parts or qualities
5. Greed is the primary _____ in the making of criminals.
n. one of the things used to make something, especially one of the foods used to make a particular dish
6. It was the first time in a long time that I felt truly _____ and at peace.
adj. not excited, angry, or nervous; free from wind, large waves
7. He told me a _____ truth about my parent's death.
n. the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant

ANSWERS: 1. sniff, 2. crackled, 3. applause, 4. combination, 5. ingredient, 6. calm, 7. gut-wrenching

8. Leprosy is an indolent _____ disease.

adj. able to be passed quickly from one person, animal, or plant to another, especially through air or water

9. I need to sew a _____ onto my jeans that ripped.

n. a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose

10. Their innovative concepts were consistent across their bodies of _____.

n. the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone

11. The adrenal _____ produce steroids.

n. a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream

12. This country _____ its weapons in the east region.

v. to move troops or weapons into a position or military action; to bring into something in an effective way

13. My computer has been acting _____ recently.

adj. extraordinary, unexpected, or difficult to explain

14. This stick will deodorize your _____.

n. the hollow under the arm where it joins the shoulder

15. One such rapidly growing _____ is quantum cryptography.

n. an idea or principle associated with something abstract

ANSWERS: 8. infectious, 9. patch, 10. composition, 11. glands, 12. deployed, 13. weird, 14. armpits, 15. concept

16. He had to ____ the heavy suitcase up the stairs.

- v.* to carry or drag something with effort; to pull something along with a sudden or jerky motion

17. The rules were _____ after the new executive arrived.

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

18. Is this painting _____ or forged?

- adj.* real and exactly; not pretended; sincerely felt or expressed

19. The carpenter applied ____ to the cabinet joints before nailing them together.

- n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials

20. I had to throw away the _____ food in the fridge because it had gone bad.

- adj.* decaying or rotting and emitting a foul or offensive odor; morally corrupt, foul, or depraved; repulsive or disgusting

21. He sniffed the _____ voluptuously.

- n.* a liquid that emits and diffuses a pleasant smell, usually used on the skin

22. She was able to _____ a free trip to the United States.

- v.* to continuously touch or manipulate something with someone's hands, mainly when bored or nervous; to act dishonestly to try to get money, information, etc., or gain an advantage

23. Marketing strategies are growing more _____.

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

ANSWERS: 16. lug, 17. relaxed, 18. genuine, 19. glue, 20. putrid, 21. perfume, 22. fiddle, 23. sophisticated

24. He suffers from _____ breakdowns.

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

25. It was _____ of him to betray his friend.

adj. extremely unpleasant, dirty, or smelling bad

26. This automatic door could no longer be opened due to a _____ failure.

n. a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner

27. The _____ from the trash can was unbearable, so I had to take it out.

n. a distinctive or unpleasant smell; a scent or aroma that can be sensed through the sense of smell

28. Hospitals must meet various standards to prevent nosocomial _____.

n. a condition in which pathogenic microorganisms or viruses have entered the body

29. This device is used to _____ brain cancer and other tumors.

v. to determine or distinguish the nature of a problem or an illness through a careful analysis

30. Her _____ made my day; I felt so competent and appreciated.

n. an expression of praise, admiration, or approval; a polite or flattering statement intended to make someone feel good

31. She avoided the used car salesman because she found his pushy behavior _____.

adj. serving to drive away or repel something; unpleasant or offensive and causing a strong sense of aversion or disgust

ANSWERS: 24. nervous, 25. foul, 26. sensor, 27. odor, 28. infections, 29. diagnose, 30. compliment, 31. repellent

32. 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
33. The negotiations proceeded slowly and finally _____.
v. to stop or cause to stop making progress; (noun) small area or booth set off for the sale of goods in a market or large covered area
34. Various companies, including software companies, are entering the _____ market.
n. a wearable computing device in the form of a watch
35. The presidential _____ is the most luxurious room in the hotel.
n. a set of rooms designated for a particular purpose or activity, especially a set of rooms in a hotel or private residence used as a living unit; a musical composition of several movements only loosely connected; the group following and attending to some important person
36. The _____ at the bottom of the river was a toxic hazard for marine life.
n. a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful
37. The doctor prescribed antibiotics to treat her _____ symptoms.
n. a severe bacterial infection that is typically spread through contaminated food or water; symptoms include fever, headache, muscle aches, and gastrointestinal problems
38. The rain and thunder are _____ today.
adj. stupid or not sensible; very angry
39. The inventor created a _____ that could turn salt water into drinking water.
n. a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual

ANSWERS: 32. complexity, 33. stalled, 34. smartwatch, 35. suite, 36. sludge, 37. typhoid, 38. crazy, 39. contraption

40. The _____ team worked quickly to save the patient's life.

adj. relating to the treatment of illness or injuries; relating to the practice of medicine

41. Education is the _____ of civilization.

n. the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television

42. This smartphone has a collision _____ function.

n. the act of discovering or identifying the presence of something

43. The _____ of water to sugar in the recipe is 1:2.

n. the relative size or amount of one thing to another, typically expressed in the form of a fraction or decimal

44. The patient will undergo _____ transplant surgery tomorrow.

n. a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

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

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

46. Overprotective parents often _____ their children with messages reinforcing their lack of mastery.

v. to attack a place with bombs or gunshots continuously; to address with continuously or persistently, as if with a barrage

47. This container stores an _____ substance.

adj. easily able or likely to shatter violently or burst apart; sudden and loud

ANSWERS: 40. medical, 41. transmission, 42. detection, 43. ratio, 44. liver, 45. lab, 46. bombard, 47. explosive

48. He _____ in relief when he finally found his lost keys.

- v.* to emit a deep, audible breath or sound, often expressing feelings of tiredness, frustration, or relief; to express longing, wish, or regret; (noun) the act of exhaling audibly in a long, deep, and often melancholy way

49. We supply the military with durable vests made of _____.

- n.* a synthetic material used for making clothes, ropes, brushes, etc.

50. Management must take _____ responsibility for the accident.

- adj.* furthest or highest in degree or order

51. The government is determined to _____ sharp inflation.

- v.* to try to deal with a complex problem or situation

52. The company decided to _____ production of the product.

- v.* to stop an action or event

53. She has a good _____ for being one of the best chefs in the city.

- n.* the general opinion that people have about someone or something, especially when this is based on their previous experiences or behaviors

54. The bread was _____ and not fit for eating.

- adj.* no longer fresh, new, or interesting; dull or uninteresting

55. Hay fever occurs when a substance called histamine binds to _____ in the nose and eyes.

- n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way

ANSWERS: 48. sighed, 49. nylon, 50. ultimate, 51. tackle, 52. cease, 53. reputation, 54. stale, 55. receptors

56. The children played hide and seek in the _____ in the barnyard.
- n.* a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding
57. 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
58. Her response revealed _____ idiocy.
- adj.* unbelievable; enormous
59. The invention of the smartphone _____ the way we communicate with each other.
- v.* to bring about a complete or radical change in something, often through the introduction of new methods or ideas
60. The _____ demonstrate that poverty and unemployment are genuine problems.
- n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
61. She is the president of a large international _____.
- n.* a group of people who work together for a shared purpose
62. He bated his _____ when talking about this affair.
- n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs

ANSWERS: 56. haystacks, 57. develop, 58. incredible, 59. revolutionized, 60. statistics, 61. organization, 62. breath

63. The police _____ believed this explanation was plausible.

adv. based on what you have heard or read

64. 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

65. We are trying to _____ this disease from the world.

v. to get rid of or destroy something completely, especially something bad

66. The _____ group is a key functional group in organic chemistry.

n. a type of organic chemical compound that features a carbonyl group (a carbon atom double-bonded to an oxygen atom) at the end of a carbon chain, often used in the manufacture of various products, including plastics, solvents and fragrances

67. 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

68. The security camera has _____ four intruders.

v. to find or recognize something, especially something difficult to see, hear, etc.

69. The food chain causes a material _____.

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

70. Cancer cells are often carried throughout the body by the _____.

n. the blood flowing through the body

ANSWERS: 63. apparently, 64. needles, 65. eradicate, 66. aldehyde, 67. environment, 68. detected, 69. cycle, 70. bloodstream

71. The corporation _____ dominated the entire tobacco business.
adv. finally, particularly after a long time or a lot of struggle, complications, and so on
72. Mercury is the closest _____ to the sun.
n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
73. I always put a _____ mark next to the items on my grocery list after buying them.
n. a light, sharp, repetitive sound or action; a mark indicating that something is correct or has been done; any of two families of small parasitic arachnids with barbed proboscis
74. I decided to seek counseling on the advice of my _____.
n. one of a group of a coworker, especially in a profession or a business
75. The government predicts an epidemic _____ of multiple viruses, including coronaviruses and influenza.
n. a sudden start of something, usually a disease or something dangerous or unpleasant
76. This bar _____ shows sales over the past five years.
n. a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
77. The government is eager to _____ international investment.
v. to draw or entice someone or something towards them through the qualities they have, especially positive ones
78. The _____ for the cake is passed down from generation to generation in her family.
n. a set of instructions for preparing a dish, including the ingredients and the method of cooking

ANSWERS: 71. eventually, 72. planet, 73. tick, 74. colleague, 75. outbreak, 76. graph, 77. attract, 78. recipe

79. The new amusement park ride was _____ with twists, turns, and drops that left riders screaming with excitement.
adj. extremely good; excellent
80. Tapeworms are _____ that live in the intestines of humans and animals.
n. an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
81. Sensors convert physical phenomena into _____ signals.
adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
82. He refused to do anything _____ to help her.
adv. not at all; no matter what
83. _____ elections were held in several European countries.
adj. belonging to or used by a group rather than individuals; for common use
84. The majority of consumers _____ this brand with quality.
v. to mentally connect someone or something with someone or something else
85. Vaccination is an effective way to build _____ against diseases.
n. the ability of an organism to resist infection or disease, often due to the presence of antibodies
86. The police tried to _____ the facts concerning her death.
v. to make something, such as a statement or situation, less confusing and more understandable

ANSWERS: 79. fantastic, 80. parasites, 81. digital, 82. whatsoever, 83. Communal, 84. associate, 85. immunity, 86. clarify

87. Multiple genes may influence behavioral _____ concurrently.
n. a particular feature of your nature
88. _____ advances have disrupted many industries.
adj. based on scientific and industrial progress
89. He had a special _____ for public relations
n. an electrical device that sends or receives radio or television signals; (biology) one of one or more pairs of appendages used for sensing in insects
90. The phone call is an _____ interruption.
adj. making someone feel slightly angry
91. The company has made great strides in its _____ toward sustainability.
n. the act or process of changing to the next stage or phase or moving forward
92. _____ a society is an organism.
adv. relating to the essential features or concepts of anything
93. Animal protection groups call for an end to animal testing in a _____.
n. a workplace for doing scientific research or teaching science; a lab
94. Their relationship was _____ and prone to sudden outbursts of anger.
adj. likely to change rapidly or unexpectedly, or being unstable or explosive
95. This exam requires excellent _____ to pass.
n. the ability to focus all your time and energy on one thing without thinking about anything else.

ANSWERS: 87. traits, 88. Technological, 89. antenna, 90. annoying, 91. progression, 92. Essentially, 93. laboratory, 94. volatile, 95. concentration

96. The company _____ employees to buy low-price items without approval to achieve efficient purchasing.
- v.* to give someone the power or authority to do something
97. Thousands of people attended the protest _____ against the proposed policy.
- n.* a display or show, often of a particular skill or product, intended to convince or persuade others
98. ____ operational improvements often lead to better environmental performance.
- adj.* having a noticeably small amount of body fat; (verb) to bend or move from a straight to a sloping posture
99. The majority of students actively _____ in the college's intramural sports program.
- v.* to take part in something
100. Many people in tropical countries die from _____ every year.
- n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
101. Let's try to _____ a bit of enthusiasm into your performance.
- v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
102. Actuators convert _____ pulses into motion.
- adj.* relating to electricity
103. Whenever I get a cold, I tend to _____ a lot.
- v.* to make a sudden, involuntary expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants

ANSWERS: 96. empowered, 97. demonstration, 98. Lean, 99. participated, 100. malaria, 101. inject, 102. electrical, 103. sneeze

104. Some animals have better _____ than humans, enabling them to detect prey from farther away.
- n.* the sense of smell; the ability to detect and perceive odors or scents
105. The patient was sent for an X-ray to determine the cause of the _____ in her abdomen.
- n.* a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require treatment
106. When traveling to some countries, you may be required to show proof of an _____ ticket as a condition of entry.
- adj.* moving or continuing forward; progressing
107. Common salt is a sodium and chlorine _____.
- n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
108. The doctor diagnosed him with a rare _____ that had no known cure.
- n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
109. The trade is _____ right now due to the collapse of the prominent investment bank.
- adj.* not interesting or exciting; not bright, vivid, or shiny; not active, brisk, or sharp
110. A stagnant water area are breeding ground for _____.
- n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

ANSWERS: 104. olfaction, 105. cyst, 106. onward, 107. compound, 108. disease, 109. dull, 110. mosquitos

111. The magician's tricks _____ the audience.

v. to fill with wonder, surprise, or admiration

112. The _____ aroma of garlic filled the kitchen.

adj. having a strong, sharp odor or taste

113. He's a vegetarian and was shocked to see so much meat in the _____ shop.

n. a person who prepares and sells meat, especially at a retail shop; a person who kills or slaughters animals, especially for food; a person who engages in the relentless or brutal treatment of others

114. The new strategy will _____ the profitability of our company.

v. to increase or improve the quality, amount, or strength of someone or something

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

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

116. His _____ showed highly positive results.

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

117. Children often _____ parents with this head cold.

v. to affect a person, an animal, or a plant with a disease-causing organism

118. She volunteers at a local _____ every weekend to help those in need.

n. an organization that helps people in need, especially by providing food, shelter, or money; a kindly and sympathetic attitude toward people

ANSWERS: 111. amazed, 112. pungent, 113. butcher, 114. enhance, 115. represent, 116. experiments, 117. infect, 118. charity

119. Please refrigerate the meat, or it will ____.

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

120. ____ the bandage tightly around the injured arm.

v. to cover or enclose something entirely with paper, cloth, or other material

121. Please tell me how to _____ this computer.

v. to influence or control something or someone to your advantage, often in an unfair or dishonest way

122. I put the ice cream in the _____ to keep it from melting.

n. a device that keeps food, beverages, or other perishable items at low temperatures to maintain their freshness or preserve them for later use

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

adj. easy to see, discover or understand

124. They watched the train _____ into the distance.

v. to cease to exist or be visible

125. The patient displays a _____ of a side effect.

n. any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease

126. Several cities are experiencing _____ high unemployment rates.

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

127. It is important to place the _____ in the correct position for accurate electro-cardiogram recording.

n. either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region

ANSWERS: 119. rot, 120. Wrap, 121. manipulate, 122. freezer, 123. obvious, 124. disappear, 125. symptom, 126. incredibly, 127. electrodes

128. I can't stand the _____ odor from the garbage can, and it's unbearable.

adj. having a strong, unpleasant, or offensive odor, particularly about something decomposing or otherwise spoiled

129. The growth of the "sharing economy" is _____ for tech companies.

adj. immensely appealing in look or sound; having characteristics or qualities that make something appealing and valuable

130. This evidence supports the big-bang _____.

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

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

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

132. The surgeon made an incision in the _____ of the patient's heart.

n. a large room used for a formal, public, or particular purpose; one of the parts of a parliament

133. She was nearly _____ due to severe diabetes.

adj. unable to see; unable or unwilling to perceive or understand the true nature of something

134. The _____ cheesecake at that restaurant is out of this world.

n. a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside

135. The firm has grown into a large _____ manufacturing.

adj. relating to or connected with chemistry;

ANSWERS: 128. smelly, 129. attractive, 130. hypothesis, 131. insects, 132. chambers, 133. blind, 134. raspberry, 135. chemical

136. The more _____ you are, the more people around you look at you with envy and jealousy.

adj. extremely clever, skilled, or impressive

137. The hotel's staff is very _____ and efficient.

adj. enjoyable, attractive, friendly, or agreeable

138. The lighthouse served as a _____ to guide ships safely into port.

n. a light or other visible object serving as a signal, guide, or warning

139. 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

140. The company's cybersecurity team _____ the CEO to potential threats.

v. to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action

141. He didn't meet all the _____ but he was hired anyway.

n. (plural of criterion) standards or conditions by which something may be judged or decided

142. People have been exploring ways to _____ natural forces and resources since ancient times.

v. to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object

143. The dentist asked him to spit out the excess _____ into the sink.

n. the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion

ANSWERS: 136. brilliant, 137. pleasant, 138. beacon, 139. individual, 140. alerted, 141. criteria, 142. harness, 143. saliva

144. The singer's talent is _____ one of the greatest in the music industry

adv. without a doubt; certainly; definitely

145. She wiped the _____ off her forehead with a towel.

n. the salty liquid that is produced by the glands in the skin, especially when the body is hot or under stress

ANSWERS: 144. undoubtedly, 145. sweat