

# Englist.me



## Vocabulary Builder Reference from...

*Louie Schwartzberg: Hidden miracles of the natural world | TED Talk*

[https://www.ted.com/talks/louie\\_schwartzberg\\_hidden\\_miracles\\_of\\_the\\_natural\\_world](https://www.ted.com/talks/louie_schwartzberg_hidden_miracles_of_the_natural_world)

### All Words

#### IMPORTANT

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## Session 1: Word List

### intersection

*n.* a point where two or more roads, lines, etc., cross each other

*synonym*: crossroad, junction, hub

(1) busy **intersection**, (2) the **intersection** of coordinate axes

Take a right turn at the next **intersection**.

### curiosity

*n.* a strong desire to know or learn about something

*synonym*: interest, inquisitiveness, novelty

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

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

### surround

*v.* to be all around something or somebody

*synonym*: encircle, encompass, envelop

(1) **surround** a town, (2) a stone wall **surrounds** the palace

On three sides, mountains **surround** the settlement.

### invisible

*adj.* impossible or nearly impossible to see

*synonym*: hidden, imperceptible, unseen

(1) an **invisible** asset, (2) **invisible** stars

The phenomenon is **invisible** at optical wavelengths.

## visible

*adj.* capable of being seen; or open to easy view

*synonym* : clear, observable, seeable

(1) **visible** stars, (2) **visible** by X-ray

My home is easily **visible** from the shore.

## expand

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

*synonym* : extend, grow, boost

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

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

## horizon

*n.* the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated

*synonym* : skyline, view, visible boundary

(1) the event **horizon** of a black hole, (2) business **horizon**

As the sun set, the colors of the sky merged with the **horizon**, creating a beautiful orange and pink hue.

## transform

*v.* to change in outward structure or looks;

*synonym* : alter, convert, change

(1) **transform** an education system, (2) **transform** heat into power

My father's death **transformed** my life completely.

## perception

*n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses

*synonym* : understanding, idea, awareness

(1) keen **perception**, (2) **perception** of a stimulus

He is a man admired for the depth of his **perception**.

## mystery

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

*synonym* : enigma, puzzle, secret

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

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

## unseen

*adj.* not seen or noticed; not perceived

*synonym*: invisible, hidden, undercover

(1) **unseen** danger, (2) an **unseen** force

The consequences of the pandemic remain **unseen** as scientists continue to research the virus.

## movement

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

*synonym*: motion, progression, action

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

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

## 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.

## lapse

*n.* a temporary or brief failure in judgment, action, or behavior; a gradual or slow decline, often referring to a loss of performance, quality, or attention; a period of time that has passed; (verb) to fall or slip into a particular state, often one that is undesirable or unintended

*synonym*: break, failure, blunder

(1) **lapse** back into recession, (2) **lapse** in payment

I missed the deadline due to a **lapse** in my memory.

## discovery

*n.* the act or process of finding information, a place, or an object, or learning about something that was previously

not known

*synonym*: finding, uncovering, detection

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

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

## **broaden**

v. to make or become wider or more extensive; to make or become more tolerant or liberal.

*synonym*: expand, widen, enlarge

(1) **broaden** students' knowledge, (2) **broaden** their horizon

The company **broadened** its product line to include more customer options.

## **perspective**

n. a confident attitude toward something; a particular style of thinking about something

*synonym*: viewpoint, standpoint, outlook

(1) a **perspective** view, (2) the **perspective** of the battle

His father's death changed his whole **perspective** on life.

## **emerge**

v. to move out of or away from something and become visible

*synonym*: arise, occur, appear

(1) **emerge** as a butterfly, (2) **emerge** from poverty

During colonial eras, new migratory patterns **emerged**.

## **survive**

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

*synonym*: endure, persist, stay

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

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

## **creep**

v. to move slowly, quietly, and carefully, usually to avoid being seen or heard

*synonym*: crawl, glide, encroach

(1) **creep** along the leaf, (2) **creep** toward the mouse

Ageing **creeps** up slowly with time.

**sunlight**

*n.* the light emitted by the sun; the rays of the sun  
*synonym* : daylight, rays, sunshine

(1) a glare of **sunlight**, (2) in direct **sunlight**  
Radiation from **sunlight** has a different wavelength.

**grand**

*adj.* important and large in size, scope, or extent  
*synonym* : impressive, great, ambitious

(1) a **grand** meal, (2) **grand** bargain  
This year's **grand** gathering will be held in Canada.

**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.

**vast**

*adj.* enormous in size, number, amount, or quantity  
*synonym* : expansive, extended, boundless

(1) **vast** majority, (2) **vast** desert  
A **vast** audience viewed the broadcast.

**sweep**

*v.* to clean something, especially a floor or an area, by using a broom; move swiftly and smoothly  
*synonym* : clean, clear, brush off

(1) **sweep** up dead leaves, (2) **sweep** a room with a glance  
The politician tried to **sweep** the embarrassing incident under the rug.

**restless**

*adj.* unwilling or unable to stay still or relax because you are worried and uneasy  
*synonym* : agitated, anxious, disturbed

(1) a **restless** person, (2) **restless** waves  
He felt **restless** and constantly changed his postures.

**streak**

*n.* a long, narrow mark or band, typically one of a different color or texture from the surrounding surface; a brief

period or run of success, luck, or behavior; a consistent pattern of behavior or a distinguishing characteristic of an individual

*synonym*: strip, band, dash

(1) **streak** of luck, (2) gold **streak**

He had a **streak** of stubbornness that made him difficult to work with.

## dot

*n.* a very small circular mark, especially one that is printed

*synonym*: drop, dab, fleck

(1) connecting the **dots**, (2) **dot** blot method

The wallpaper had a pattern of pink **dots** on a white surface.

## 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.

## traffic

*n.* the movement of vehicles, people, or goods along a route or through a transport system; the amount of such movement in a particular place or at a particular time

*synonym*: congestion, jam, flow

(1) **traffic** jam, (2) heavy **traffic**

We decided to take a detour to avoid the construction **traffic** on the main road.

## timelapse

*n.* a technique in photography or cinematography where a series of images or frames are taken at set intervals and then played back at a faster speed to create the illusion of time moving quickly

(1) **timelapse** photography, (2) capture **timelapse** footage

The **timelapse** video beautifully captured the changing seasons over a year.

## imagery

*n.* the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events

*synonym* : metaphors, symbolism, imaging

(1) visual **imagery**, (2) satellite **imagery**

This movie is famous for its romantic **imagery**.

## constantly

*adv.* all the time

*synonym* : continuously, always, frequently

(1) a **constantly** innovative enterprise, (2) a **constantly** varying mind

The mobile application industry is **constantly** changing.

## 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.

## economy

*n.* the system by which a country or region produces, manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

*synonym* : finance, trade, business

(1) **economy** of scale, (2) **economy** class

The **economy** of the country is struggling due to the recent political instability.

## sustained

*adj.* lasting for a long time or continuing for a long time without becoming weaker or less intense

*synonym* : prolonged, extended, continual

(1) **sustained** economic growth, (2) **sustained** release medication

The company experienced **sustained** growth over the past decade.

## circulate

*v.* to move continuously or freely around a place or closed system

*synonym*: flow, disperse, rotate

(1) **circulate** a rumor, (2) **circulate** an agenda before the meeting

The fan **circulates** the air in the room quickly.

## swirl

*v.* to move in a circular or spiral pattern

*synonym*: spin, whirl, turn

(1) **swirl** the wine, (2) **swirl** up dirt and dust

The chef expertly **swirled** the sauce onto the plate.

## atmosphere

*n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

*synonym*: air, ambiance, circumstances

(1) carbon dioxide in the **atmosphere**, (2) a convivial **atmosphere**

The spaceship began to burn up as it approached the Earth's **atmosphere**.

## pulse

*n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves

*synonym*: beat, vibration, throb

(1) a weak **pulse**, (2) **pulse** waves

The cardiac monitor displays the intensity of your **pulse**.

## lightning

*n.* a flash, or several flashes, of light that accompanies an electric discharge in the atmosphere, or something resembling such a flash

*synonym*: bolt, electrical discharge

(1) streaks of **lightning**, (2) **lightning** air strike

The human eye is **lightning-fast** in recognizing objects.

## crown

*n.* a circular ornamental headdress, worn as a symbol of authority by a king, usually made of gold and precious



stones

*synonym* : tiara, headdress, royalty

(1) the imperial **crown**, (2) the **crown** and throne

The bishop bestowed the golden **crown** on the king.

**aurora**

*n.* a natural appearance of colored light in Earth's sky that is usually seen in high-latitude regions, especially around the Arctic and Antarctic

(1) **aurora** watching, (2) polar **aurora**

Northern and southern hemispheres alike experience the **aurora**.

**boreal**

*adj.* relating to the Northern Hemisphere or relating to the northern forests called taiga

*synonym* : arctic, northern, tundra

(1) **boreal** conifer, (2) **boreal** ecosystem

The **boreal** forest covers vast areas of Canada and Alaska.

**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.

**anatomy**

*n.* the scientific study that deals with the physical structure of humans, animals, or plants

(1) animal **anatomy**, (2) **anatomy** of a country's collapse

The professor explained the **anatomy** of the nervous system.

**extreme**

*adj.* very great in amount or degree

*synonym* : farthestmost, outermost, fierce

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

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

**opposition**

*n.* the act of disagreeing or resisting; the state of strong disagreement

*synonym*: resistance, hostility, antagonism

(1) **opposition** campaign, (2) meet with **opposition**

The **opposition** party strongly disagreed with the government's proposed legislation.

## vision

*n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

*synonym*: sight, image, concept

(1) a prodigious **vision**, (2) telescopic **vision**

Driving is difficult for me because of my poor **vision**.

## ingenious

*adj.* showing inventiveness and ability or skill

*synonym*: creative, innovative, inventive

(1) **ingenious** device, (2) **ingenious** idea

I always look forward to reading his stories since they're so **ingenious**.

## device

*n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

*synonym*: gadget, instrument, tool

(1) electronic **device**, (2) tracking **device**

I always carry a backup **device** in case my phone runs out of battery.

## imitate

*v.* to copy the speech, behavior, appearance, etc. of someone or something

*synonym*: mimic, emulate, replicate

(1) **imitate** painting styles, (2) **imitate** animal sounds

He **imitated** the modus operandi of the famous phantom thief.

## dragonfly

*n.* a slender-bodied non-stinging insect having two pairs of large transparent wings that are outspread at rest

(1) **dragonfly** passing over the water, (2) **dragonfly** larva

I caught a rare **dragonfly** in the mountains.

## flutter

*v.* to wave or flap quickly and lightly; (noun) the act of moving back and forth

*synonym*: flit, hover, wave

(1) **flutter** around finding, (2) a **flutter** of a bird

The butterfly **fluttered** its wings gracefully.

## flier

*n.* (also "flyer") a person who travels by air or an airplane passenger; a leaflet or pamphlet designed to be handed out or posted to provide information or advertise something

*synonym*: aeronaut, pamphlet, handbill

(1) seasoned **flier**, (2) promotional **flier**

As a frequent **flier**, I accumulate a lot of miles that I use for vacation trips.

## hover

*v.* to stay in one place in the air

*synonym*: hang, float over, drift

(1) **hover** between life and death, (2) **hover** around the table

Two birds were **hovering** overhead.

## backward

*adv.* at, to, or toward the direction or place that is behind or rear

*synonym*: back, rearward, in reverse

(1) walk **backward**, (2) **backward** angle

She falls over **backward** when she sees her mother-in-law.

## upside

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

*synonym*: advantage, benefit, top

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

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

- 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.
- visualize** *v.* to form a mental image or concept of something; to make something visible  
*synonym*: imagine, picture, envision  
(1) **visualize** data, (2) **visualize** flying through space  
She tried to **visualize** the layout of the new house in her mind.
- robotic** *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots  
*synonym*: automated, mechanical, laborsaving  
(1) **robotic** arm, (2) **robotic** guide operation  
The surgeon removed the tumor using **robotic** video assistance.
- giant** *adj.* enormous; much bigger or more important than similar items usually are  
*synonym*: big, gigantic, huge  
(1) **giant** trees, (2) **giant** tech company  
The **giant** jets gradually dominate the world's airlines.
- unaware** *adj.* not understanding something or having knowledge or idea of something  
*synonym*: incognizant, clueless, ignorant  
(1) entirely **unaware** of the danger, (2) **unaware** of the reality  
He was **unaware** of the scrutiny.
- electron** *n.* a tiny particle with the negative electrical charge  
*synonym*: negatron  
(1) flow of **electrons**, (2) beam of **electrons**

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

## microscope

*n.* an instrument used to see objects or substances that are too small to be seen with the naked eye

*synonym*: lens, magnifier, eyepiece

(1) **microscope** slide, (2) electron **microscope**

I used an optical **microscope** to observe the small organisms in the water sample.

## magnify

*v.* to make something look bigger than it really is, especially by looking at it through a lens; to make something bigger, stronger, or louder

*synonym*: enlarge, elaborate, intensify

(1) **magnify** the danger, (2) **magnify** the image for display

Terrorists often attempt to **magnify** the economic impact of their acts of destruction.

## butterfly

*n.* a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings

(1) **butterfly** effect, (2) the life cycle of a **butterfly**

He enjoys collecting **butterfly** specimens.

## creature

*n.* a living being, especially an animal

*synonym*: being, animal, organism

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

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

## dwelling

*n.* a house or place that someone is living in

*synonym*: habitat, residence, home

(1) blood- **dwelling** parasitic animal, (2) the **dwelling** place of demons

They found a new species of water- **dwelling** insect.

## eyelash

*n.* any of the short hairs that grow around the eyes

*synonym* : lash, cilium

(1) **eyelash** brush, (2) not bat an **eyelash**

An **eyelash** curler is a girl's best friend.

## crawl

*v.* to move forward slowly, as people or animals with their bodies near the ground

*synonym* : creep, drag

(1) **crawl** across the floor, (2) **crawl** away from a car

Along the gravel roads, sizeable yellow school buses **crawl**.

## shark

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

*synonym* : swindler, con artist, crook

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

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

## caterpillar

*n.* the wormlike larva of a butterfly or moth

*synonym* : larva, grub, worm

(1) **caterpillar** of a butterfly, (2) **caterpillar** in a cocoon

The wooly bear **caterpillar** munched on leaves all day.

## eggshell

*n.* the hard, outer layer of an egg, typically thin and fragile, and has a slightly rough texture

*synonym* : shell, casing, membrane

(1) **eggshell** paint, (2) fragile **eggshell**

I gently removed the **eggshell** from the freshly boiled egg.

## flea

*n.* a small, agile, wingless, and parasitic insect that feeds on the blood of mammals and birds

*synonym* : pulex, siphonaptera, biter

(1) local **flea** market, (2) **flea** infestation

The **flea-borne** disease caused a severe outbreak in the city.

## snail

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

*synonym* : escargot, slug, whelk

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

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

## tongue

*n.* a moveable mass of muscle tissue covered with mucous membrane that is in the mouth; a language

*synonym* : lingo, language, vocabulary

(1) native **tongue**, (2) **tongue** cancer

The **tongue** is boneless, but it is as strong as bones.

## kingdom

*n.* the country ruled by a king or queen

*synonym* : empire, realm, land

(1) establish his **kingdom**, (2) a subordinate **kingdom**

By remaining neutral, this **kingdom** continued to exist.

## spider

*n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing

*synonym* : arachnid, wanderer

(1) **spider** venom, (2) web **spider**

The **spider** spun an intricate web in the corner of the room.

## silk

*n.* a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric

*synonym* : satin, taffeta, velvet

(1) **silk** road, (2) **silk** fabric

She wore a **silk** dress to the party.

## thread

*n.* a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a

thread through a needle or other small opening, in preparation for sewing or stitching

*synonym* : filament, string, yarn

(1) **thread** a catheter, (2) start a new **thread**

The detective followed a **thread** of clues which ultimately led to the suspect's arrest.

## **pound**

*n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces

(1) three-fourths of a **pound**, (2) thousands of **pounds**

The car's front bumper cost fifteen hundred **pounds**.

## **steel**

*n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure

*synonym* : iron

(1) magnetic **steel**, (2) **steel** beam

This bridge is the third largest **steel** bridge in the world.

## **elastic**

*adj.* flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable

*synonym* : stretchy, flexible, resilient

(1) **elastic** body, (2) **elastic** waistband

The skin of a snake is remarkably **elastic**, allowing it to slither through tight spaces.

## **nanoscale**

*adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

(1) **nanoscale** device, (2) things at the **nanoscale**

This process improves the strength of the metal by controlling the **nanoscale** lattice structure of the metal.

## **bacteria**

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



and plants, and are often a cause of disease

*synonym* : microorganism, microbe

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

**Bacteria** prevalent in hospitals are often resistant to antibiotics.

## virus

*n.* a tiny infectious organic material that causes disease in people, animals, and plants

*synonym* : bacterium, germ, ailment

(1) spread of the **virus**, (2) a strain of **virus**

An infected person in the hospital will likely pass the **virus** to others.

## strand

*n.* a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore

*synonym* : fiber, filament, string

(1) a **strand** of fine hair, (2) double- **strand** DNA

I heard several melodic **strands** simultaneously.

## carbon

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

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

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

## atom

*n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

*synonym* : particle, element, fraction

(1) oxygen **atom**, (2) neutral hydrogen **atoms**

The outermost electron shell of an **atom** determines its chemical characteristics.

## tip

*n.* the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money

given for services

*synonym* : edge, advice, gratuity

(1) the **tip** of a paintbrush, (2) give the waiter a **tip** .

I will introduce some **tips** on learning English in this class.

## amazing

*adj.* extremely surprising, especially in a way that you like or admire

*synonym* : exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling

The golfer recorded an **amazing** distance.

## patrol

*n.* the act of guarding an area or conducting surveillance of an area to maintain order, perform security functions, or prevent crime; a group of officers or soldiers that conducts such an operation

*synonym* : guard, watch, surveillance

(1) **patrol** car, (2) border **patrol**

The highway **patrol** officer pulled over the speeding vehicle on the freeway.

## 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.

## clog

*v.* to obstruct or block up (a passage, pipe, or system) with an accumulation of thick or sticky matter; to impede or hinder the progress or movement of something

*synonym* : block, jam, obstruct

(1) **clog** a filter, (2) **clog** artery

The drain was **clogged** with hair and needed to be cleaned out.

## artery

*n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.

*synonym* : blood vessel, channel, roadway

(1) **artery** blockage, (2) risk of coronary **artery** disease  
Continuous consumption of fatty foods leads to the hardening of the **artery**.

## 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.

## threshold

*n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation

*synonym* : anteroom, brink, verge

(1) the **threshold** between rooms, (2) high pain **threshold**  
She's on the **threshold** of adulthood.

## extraordinary

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

*synonym* : exceptional, noteworthy, astonishing

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

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

## advance

*v.* to go or move forward; to develop in a positive way

*synonym* : progress, boost, come along

(1) **advance** the technology, (2) **advance** a cooperative relationship

Scientific knowledge will **advance** significantly with the power of AI.

## unveil

*v.* to reveal or make something publicly known, especially for the first time

*synonym* : reveal, uncover, expose

(1) **unveil** a monument, (2) **unveil** a comprehensive plan

The company plans to **unveil** its new product at the trade show next week.

## endless

*adj.* having no end or conclusion; infinitely very large in size or amount

*synonym* : infinite, ceaseless, boundless

(1) **endless** possibilities, (2) **endless** hours

He looked out the window at the **endless** stream of people.

## cosmic

*adj.* relating to the universe or cosmos; vast or limitless

*synonym* : astronomical, celestial, outer-space

(1) second **cosmic** velocity, (2) **cosmic** background radiation

**Cosmic** rays are high-energy particles that originate from outside the solar system.

## pollen

*n.* a fine powder substance consisting of microscopic grains produced by plants that facilitate their reproductive process through the process of pollination

*synonym* : dust, spores, allergen

(1) **pollen** allergy symptoms, (2) high **pollen** count

My allergies flare up during **pollen** season, making it difficult to breathe.

## micro

*n.* extremely small in scale or scope; one millionth

(1) **micro** bubble, (2) **micro** force sensor

This approach employs both **micro** and macro analysis methods.

## jewel

*n.* a precious stone that is cut and polished for use in jewelry

*synonym* : gem, precious stone, treasure

(1) **jewel** of the crown, (2) gleaming **jewel**

She treasured the small **jewel** that her grandmother had given her.

## supernova

*n.* a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant

*synonym* : explosion, detonation, blast

(1) extragalactic **supernova**, (2) **supernova** remnant

The **supernova** explosion created a bright new star in the night sky.

## recognize

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

*synonym* : acknowledge, identify, admit

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

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

## universe

*n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

*synonym* : cosmos, macrocosm

(1) theory of the **universe**, (2) expansion of the **universe**

The **universe** is about 13.8 billion years old.

## inspire

*v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

*synonym* : boost, encourage, enlighten

(1) **inspire** a feeling of curiosity, (2) **inspire** him to write a novel

The unique style of this martial arts **inspired** many action film producers.

## backyard

*n.* a whole space behind and belonging to a house

*synonym* : courtyard, garden

(1) play in the **backyard**, (2) **backyard** barbecue

He grows vegetables in his **backyard**.

## await

*v.* to wait or stay ready for something; to expect or anticipate something

*synonym* : expect, wait for, anticipate

(1) **await** your reply, (2) **await** a decision

We **await** the results of the election with bated breath.

## Session 2: Spelling

- |                                  |      |  |
|----------------------------------|------|--|
| 1. ma____y the image for display | v.   | to make something look bigger than it really is, especially by looking at it through a lens; to make something bigger, stronger, or louder                                     |
| 2. re_____nt by a diagram        | v.   | to speak, act, or be present on behalf of another person or group; to form or constitute   |
| 3. the cr__n and throne          | n.   | a circular ornamental headdress, worn as a symbol of authority by a king, usually made of gold and precious stones   |
| 4. not bat an ey____h            | n.   | any of the short hairs that grow around the eyes   |
| 5. the per_____ve of the battle  | n.   | a confident attitude toward something; a particular style of thinking about something  |
| 6. neutral hydrogen a__ms        | n.   | the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus                                       |
| 7. an in_____le asset            | adj. | impossible or nearly impossible to see   |
| 8. mo____nt of troops            | n.   | a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively |

ANSWERS: 1. magnify, 2. represent, 3. crown, 4. eyelash, 5. perspective, 6. atom, 7. invisible, 8. movement

9. ec\_\_\_\_y of scale *n.* the system by which a country or region produces, manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
10. un\_\_\_\_e of the reality *adj.* not understanding something or having knowledge or idea of something
11. cr\_\_p toward the mouse *v.* to move slowly, quietly, and carefully, usually to avoid being seen or heard
12. v\_\_t majority *adj.* enormous in size, number, amount, or quantity
13. extragalactic su\_\_\_\_\_va *n.* a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
14. ca\_\_\_\_n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
15. re\_\_\_\_\_ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
16. vi\_\_\_\_\_e by X-ray *adj.* capable of being seen; or open to easy view
17. visual im\_\_\_\_\_y *n.* the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events

ANSWERS: 9. economy, 10. unaware, 11. creep, 12. vast, 13. supernova, 14. carbon, 15. recognize, 16. visible, 17. imagery



18. a stone wall su\_\_\_\_\_nds the palace      *v.* to be all around something or somebody
19. the th\_\_\_\_\_ld between rooms      *n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
20. th\_\_\_\_d a catheter      *n.* a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a thread through a needle or other small opening, in preparation for sewing or stitching
21. la\_\_e back into recession      *n.* a temporary or brief failure in judgment, action, or behavior; a gradual or slow decline, often referring to a loss of performance, quality, or attention; a period of time that has passed; (verb) to fall or slip into a particular state, often one that is undesirable or unintended
22. mi\_\_o bubble      *n.* extremely small in scale or scope; one millionth
23. toxic ch\_\_\_\_\_als      *adj.* relating to or connected with chemistry;
24. the ul\_\_\_\_\_te luxury      *adj.* furthest or highest in degree or order

ANSWERS: 18. surround, 19. threshold, 20. thread, 21. lapse, 22. micro, 23. chemical, 24. ultimate

25. la\_\_e in payment *n.* a temporary or brief failure in judgment, action, or behavior; a gradual or slow decline, often referring to a loss of performance, quality, or attention; a period of time that has passed; (verb) to fall or slip into a particular state, often one that is undesirable or unintended
26. bu\_\_\_\_\_ly effect *n.* a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings
27. li\_\_\_\_\_ng air strike *n.* a flash, or several flashes, of light that accompanies an electric discharge in the atmosphere, or something resembling such a flash
28. br\_\_\_\_\_n their horizon *v.* to make or become wider or more extensive; to make or become more tolerant or liberal.
29. satellite im\_\_\_\_\_y *n.* the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events
30. na\_\_\_\_\_le device *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
31. ad\_\_\_\_\_e a cooperative relationship *v.* to go or move forward; to develop in a positive way
32. tr\_\_\_\_\_c jam *n.* the movement of vehicles, people, or goods along a route or through a transport system; the amount of such movement in a particular place or at a particular time

ANSWERS: 25. lapse, 26. butterfly, 27. lightning, 28. broaden, 29. imagery, 30. nanoscale, 31. advance, 32. traffic

33. the ul\_\_\_\_te goal in life *adj.* furthest or highest in degree or order
34. animal an\_\_\_\_y *n.* the scientific study that deals with the physical structure of humans, animals, or plants
35. to\_\_\_\_e cancer *n.* a moveable mass of muscle tissue covered with mucous membrane that is in the mouth; a language
36. sta\_\_\_\_cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
37. give the waiter a t\_p. *n.* the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services
38. dr\_\_\_\_ly larva *n.* a slender-bodied non-stinging insect having two pairs of large transparent wings that are outspread at rest
39. bo\_\_\_\_l conifer *adj.* relating to the Northern Hemisphere or relating to the northern forests called taiga
40. things at the na\_\_\_\_le *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
41. po\_\_\_\_n allergy symptoms *n.* a fine powder substance consisting of microscopic grains produced by plants that facilitate their reproductive process through the process of pollination
42. co\_\_\_\_c background radiation *adj.* relating to the universe or cosmos; vast or limitless

ANSWERS: 33. ultimate, 34. anatomy, 35. tongue, 36. statistics, 37. tip, 38. dragonfly, 39. boreal, 40. nanoscale, 41. pollen, 42. cosmic

43. ey\_\_\_\_h brush *n.* any of the short hairs that grow around the eyes
44. cr\_\_l across the floor *v.* to move forward slowly, as people or animals with their bodies near the ground
45. ext\_\_\_\_\_ary weather *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
46. risk of coronary ar\_\_\_y disease *n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.
47. ex\_\_\_\_\_e weather events *adj.* very great in amount or degree
48. the imperial cr\_\_n *n.* a circular ornamental headdress, worn as a symbol of authority by a king, usually made of gold and precious stones
49. dr\_\_\_\_\_ly passing over the water *n.* a slender-bodied non-stinging insect having two pairs of large transparent wings that are outspread at rest
50. eg\_\_\_\_\_ll paint *n.* the hard, outer layer of an egg, typically thin and fragile, and has a slightly rough texture
51. v\_\_t desert *adj.* enormous in size, number, amount, or quantity
52. em\_\_\_e from poverty *v.* to move out of or away from something and become visible
53. s\_\_k fabric *n.* a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric

ANSWERS: 43. eyelash, 44. crawl, 45. extraordinary, 46. artery, 47. extreme, 48. crown, 49. dragonfly, 50. eggshell, 51. vast, 52. emerge, 53. silk

54. walk ba\_\_\_\_rd *adv.* at, to, or toward the direction or place that is behind or rear
55. in\_\_\_\_t antenna *n.* any small creature that has six legs and a body divided into three sections
56. re\_\_\_\_\_ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
57. capture ti\_\_\_\_\_se footage *n.* a technique in photography or cinematography where a series of images or frames are taken at set intervals and then played back at a faster speed to create the illusion of time moving quickly
58. sp\_\_\_\_r venom *n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing
59. the dw\_\_\_\_\_ng place of demons *n.* a house or place that someone is living in
60. cat\_\_\_\_\_ar in a cocoon *n.* the wormlike larva of a butterfly or moth
61. beam of el\_\_\_\_\_ons *n.* a tiny particle with the negative electrical charge
62. artificial cr\_\_\_\_\_re *n.* a living being, especially an animal
63. su\_\_\_\_\_ed release medication *adj.* lasting for a long time or continuing for a long time without becoming weaker or less intense

ANSWERS: 54. backward, 55. insect, 56. recognize, 57. timelapse, 58. spider, 59. dwelling, 60. caterpillar, 61. electron, 62. creature, 63. sustained

64. the event ho\_\_\_\_\_n of a black hole      *n.* the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated
65. vi\_\_\_\_\_ze data      *v.* to form a mental image or concept of something; to make something visible
66. ci\_\_\_\_\_te a rumor      *v.* to move continuously or freely around a place or closed system
67. in\_\_\_\_\_us idea      *adj.* showing inventiveness and ability or skill
68. a gr\_\_d meal      *adj.* important and large in size, scope, or extent
69. su\_\_\_\_\_e a plane crash      *v.* to live or exist despite a dangerous event or period
70. d\_t blot method      *n.* a very small circular mark, especially one that is printed
71. je\_\_l of the crown      *n.* a precious stone that is cut and polished for use in jewelry
72. am\_\_\_\_\_g advances      *adj.* extremely surprising, especially in a way that you like or admire
73. el\_\_\_\_\_c waistband      *adj.* flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable
74. tr\_\_\_\_\_rm an education system      *v.* to change in outward structure or looks;
75. a glare of su\_\_\_\_\_ht      *n.* the light emitted by the sun; the rays of the sun

ANSWERS: 64. horizon, 65. visualize, 66. circulate, 67. ingenious, 68. grand, 69. survive, 70. dot, 71. jewel, 72. amazing, 73. elastic, 74. transform, 75. sunlight

76. en\_\_\_\_s possibilities *adj.* having no end or conclusion; infinitely very large in size or amount
77. harmless ba\_\_\_\_ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
78. in\_\_\_\_t biology *n.* any small creature that has six legs and a body divided into three sections
79. the t\_p of a paintbrush *n.* the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services
80. un\_\_\_\_l a monument *v.* to reveal or make something publicly known, especially for the first time
81. a re\_\_\_\_ss person *adj.* unwilling or unable to stay still or relax because you are worried and uneasy
82. an un\_\_\_\_n force *adj.* not seen or noticed; not perceived
83. the life cycle of a bu\_\_\_\_ly *n.* a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings
84. business ho\_\_\_\_n *n.* the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated
85. electron mic\_\_\_\_pe *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye

ANSWERS: 76. endless, 77. bacteria, 78. insect, 79. tip, 80. unveil, 81. restless, 82. unseen, 83. butterfly, 84. horizon, 85. microscope

86. ex\_\_\_\_e sports *adj.* very great in amount or degree
87. sn\_\_l mail *n.* a slow-moving mollusk with a spiral shell that it uses to protect its body
88. ro\_\_\_\_c arm *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
89. meet with opp\_\_\_\_on *n.* the act of disagreeing or resisting; the state of strong disagreement
90. the int\_\_\_\_\_ion of coordinate axes *n.* a point where two or more roads, lines, etc., cross each other
91. pa\_\_l car *n.* the act of guarding an area or conducting surveillance of an area to maintain order, perform security functions, or prevent crime; a group of officers or soldiers that conducts such an operation
92. a strain of vi\_\_s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
93. 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
94. play in the ba\_\_\_\_rd *n.* a whole space behind and belonging to a house
95. my\_\_\_\_y novel *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

ANSWERS: 86. extreme, 87. snail, 88. robotic, 89. opposition, 90. intersection, 91. patrol, 92. virus, 93. planet, 94. backyard, 95. mystery



96. cr\_\_\_\_re of habit *n.* a living being, especially an animal
97. telescopic vi\_\_\_\_n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
98. high pain th\_\_\_\_\_ld *n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
99. s\_\_k road *n.* a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric
100. theory of the un\_\_\_\_se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
101. im\_\_\_\_e painting styles *v.* to copy the speech, behavior, appearance, etc. of someone or something
102. start a new th\_\_\_\_d *n.* a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a thread through a needle or other small opening, in preparation for sewing or stitching

ANSWERS: 96. creature, 97. vision, 98. threshold, 99. silk, 100. universe, 101. imitate, 102. thread

103. second co\_\_\_c velocity *adj.* relating to the universe or cosmos; vast or limitless
104. a scientific di\_\_\_\_\_ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
105. cr\_\_p along the leaf *v.* to move slowly, quietly, and carefully, usually to avoid being seen or heard
106. sw\_\_l up dirt and dust *v.* to move in a circular or spiral pattern
107. aw\_\_t a decision *v.* to wait or stay ready for something; to expect or anticipate something
108. polar au\_\_\_a *n.* a natural appearance of colored light in Earth's sky that is usually seen in high-latitude regions, especially around the Arctic and Antarctic
109. a man-eating sh\_\_k *n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest
110. promotional fl\_\_r *n.* (also "flyer") a person who travels by air or an airplane passenger; a leaflet or pamphlet designed to be handed out or posted to provide information or advertise something
111. a per\_\_\_\_\_ve view *n.* a confident attitude toward something; a particular style of thinking about something
112. flow of el\_\_\_\_\_ons *n.* a tiny particle with the negative electrical charge

ANSWERS: 103. cosmic, 104. discovery, 105. creep, 106. swirl, 107. await, 108. aurora, 109. shark, 110. flier, 111. perspective, 112. electron

113. in_____us device	<i>adj.</i> showing inventiveness and ability or skill
114. su_____ed economic growth	<i>adj.</i> lasting for a long time or continuing for a long time without becoming weaker or less intense
115. official sta_____cs	<i>n.</i> the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
116. the characters that re_____nt numbers	<i>v.</i> to speak, act, or be present on behalf of another person or group; to form or constitute
117. opp_____on campaign	<i>n.</i> the act of disagreeing or resisting; the state of strong disagreement
118. gleaming je__l	<i>n.</i> a precious stone that is cut and polished for use in jewelry
119. blood-dw_____ng parasitic animal	<i>n.</i> a house or place that someone is living in
120. de___t smuggling across borders	<i>v.</i> to find or recognize something, especially something difficult to see, hear, etc.
121. market up___e	<i>n.</i> the positive aspect or potential of something; the upper side of something
122. un___n danger	<i>adj.</i> not seen or noticed; not perceived
123. expansion of the un_____se	<i>n.</i> everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
124. entirely un_____e of the danger	<i>adj.</i> not understanding something or having knowledge or idea of something

ANSWERS: 113. ingenious, 114. sustained, 115. statistics, 116. represent, 117. opposition, 118. jewel, 119. dwelling, 120. detect, 121. upside, 122. unseen, 123. universe, 124. unaware

125. el\_\_\_\_c body *adj.* flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable
126. ex\_\_\_\_d a lineup *v.* to increase or to make something greater in size, number, or importance
127. ar\_\_\_\_y blockage *n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.
128. ba\_\_\_\_rd barbecue *n.* a whole space behind and belonging to a house
129. tr\_\_\_\_rm heat into power *v.* to change in outward structure or looks;
130. a weak pu\_\_e *n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves
131. busy int\_\_\_\_ion *n.* a point where two or more roads, lines, etc., cross each other
132. su\_\_\_\_va remnant *n.* a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
133. ci\_\_\_\_te an agenda before the meeting *v.* to move continuously or freely around a place or closed system
134. un\_\_\_\_l a comprehensive plan *v.* to reveal or make something publicly known, especially for the first time

ANSWERS: 125. elastic, 126. expand, 127. artery, 128. backyard, 129. transform, 130. pulse, 131. intersection, 132. supernova, 133. circulate, 134. unveil

135. ma\_\_\_\_y the danger *v.* to make something look bigger than it really is, especially by looking at it through a lens; to make something bigger, stronger, or louder
136. the great di\_\_\_\_\_ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
137. ho\_\_r around the table *v.* to stay in one place in the air
138. in\_\_\_\_\_e him to write a novel *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
139. ba\_\_\_\_\_rd angle *adv.* at, to, or toward the direction or place that is behind or rear
140. bo\_\_\_l ecosystem *adj.* relating to the Northern Hemisphere or relating to the northern forests called taiga
141. local f\_\_a market *n.* a small, agile, wingless, and parasitic insect that feeds on the blood of mammals and birds
142. double-st\_\_\_\_d DNA *n.* a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore
143. vi\_\_\_\_\_ze flying through space *v.* to form a mental image or concept of something; to make something visible
144. 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

ANSWERS: 135. magnify, 136. discovery, 137. hover, 138. inspire, 139. backward, 140. boreal, 141. flea, 142. strand, 143. visualize, 144. planet

145. gi\_\_t trees *adj.* enormous; much bigger or more important than similar items usually are
146. tracking de\_\_\_e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
147. st\_\_l beam *n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure
148. a st\_\_\_d of fine hair *n.* a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore
149. satisfy my intellectual cu\_\_\_\_\_ty *n.* a strong desire to know or learn about something
150. the most am\_\_\_\_\_g feeling *adj.* extremely surprising, especially in a way that you like or admire
151. ca\_\_\_n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
152. sn\_\_l pace *n.* a slow-moving mollusk with a spiral shell that it uses to protect its body
153. connecting the d\_ts *n.* a very small circular mark, especially one that is printed
154. card sh\_\_k *n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest

ANSWERS: 145. giant, 146. device, 147. steel, 148. strand, 149. curiosity, 150. amazing, 151. carbon, 152. snail, 153. dot, 154. shark

155. de\_\_\_t a bad event      *v.* to find or recognize something, especially something difficult to see, hear, etc.
156. vi\_\_\_\_\_e stars      *adj.* capable of being seen; or open to easy view
157. su\_\_\_\_\_nd a town      *v.* to be all around something or somebody
158. a circular mo\_\_\_\_\_nt      *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
159. an\_\_\_\_\_y of a country's collapse      *n.* the scientific study that deals with the physical structure of humans, animals, or plants
160. c\_\_g a filter      *v.* to obstruct or block up (a passage, pipe, or system) with an accumulation of thick or sticky matter; to impede or hinder the progress or movement of something
161. st\_\_\_k of luck      *n.* a long, narrow mark or band, typically one of a different color or texture from the surrounding surface; a brief period or run of success, luck, or behavior; a consistent pattern of behavior or a distinguishing characteristic of an individual
162. aw\_\_t your reply      *v.* to wait or stay ready for something; to expect or anticipate something
163. electronic de\_\_\_e      *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

ANSWERS: 155. detect, 156. visible, 157. surround, 158. movement, 159. anatomy, 160. clog, 161. streak, 162. await, 163. device

164. ho\_\_r between life and death      *v.* to stay in one place in the air
165. ro\_\_\_\_c guide operation      *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
166. mi\_\_o force sensor      *n.* extremely small in scale or scope; one millionth
167. pathogenic ba\_\_\_\_ia      *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
168. a con\_\_\_\_\_ly varying mind      *adv.* all the time
169. per\_\_\_\_\_on of a stimulus      *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
170. web sp\_\_\_\_r      *n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing
171. in\_\_\_\_\_e a feeling of curiosity      *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
172. keen per\_\_\_\_\_on      *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses

ANSWERS: 164. hover, 165. robotic, 166. micro, 167. bacteria, 168. constantly, 169. perception, 170. spider, 171. inspire, 172. perception



173. a subordinate ki\_\_\_\_\_m *n.* the country ruled by a king or queen
174. a prodigious vi\_\_\_\_n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
175. sw\_\_l the wine *v.* to move in a circular or spiral pattern
176. fragile eg\_\_\_\_\_ll *n.* the hard, outer layer of an egg, typically thin and fragile, and has a slightly rough texture
177. ec\_\_\_\_\_y class *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
178. em\_\_\_\_e as a butterfly *v.* to move out of or away from something and become visible
179. carbon dioxide in the atm\_\_\_\_\_re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
180. ex\_\_\_\_d agricultural output *v.* to increase or to make something greater in size, number, or importance
181. re\_\_\_\_\_ss waves *adj.* unwilling or unable to stay still or relax because you are worried and uneasy
182. border pa\_\_\_\_l *n.* the act of guarding an area or conducting surveillance of an area to maintain order, perform security functions, or prevent crime; a group of officers or soldiers that conducts such an operation

ANSWERS: 173. kingdom, 174. vision, 175. swirl, 176. eggshell, 177. economy, 178. emerge, 179. atmosphere, 180. expand, 181. restless, 182. patrol

183. sw\_\_p a room with a glance *v.* to clean something, especially a floor or an area, by using a broom; move swiftly and smoothly
184. in\_\_\_\_\_le stars *adj.* impossible or nearly impossible to see
185. a convivial atm\_\_\_\_\_re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
186. boundless cu\_\_\_\_\_ty *n.* a strong desire to know or learn about something
187. have no up\_\_\_e *n.* the positive aspect or potential of something; the upper side of something
188. establish his ki\_\_\_\_\_m *n.* the country ruled by a king or queen
189. 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
190. streaks of li\_\_\_\_\_ng *n.* a flash, or several flashes, of light that accompanies an electric discharge in the atmosphere, or something resembling such a flash
191. three-fourths of a po\_\_d *n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
192. cr\_\_l away from a car *v.* to move forward slowly, as people or animals with their bodies near the ground
193. ad\_\_\_\_\_e the technology *v.* to go or move forward; to develop in a positive way

ANSWERS: 183. sweep, 184. invisible, 185. atmosphere, 186. curiosity, 187. upside, 188. kingdom, 189. disease, 190. lightning, 191. pound, 192. crawl, 193. advance

194. pu\_\_e waves *n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves
195. a ch\_\_\_\_al compound *adj.* relating to or connected with chemistry;
196. ext\_\_\_\_ary ability *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
197. en\_\_\_\_s hours *adj.* having no end or conclusion; infinitely very large in size or amount
198. gi\_\_t tech company *adj.* enormous; much bigger or more important than similar items usually are
199. mic\_\_\_\_pe slide *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
200. heavy tr\_\_\_\_c *n.* the movement of vehicles, people, or goods along a route or through a transport system; the amount of such movement in a particular place or at a particular time
201. native to\_\_\_\_e *n.* a moveable mass of muscle tissue covered with mucous membrane that is in the mouth; a language
202. f\_\_a infestation *n.* a small, agile, wingless, and parasitic insect that feeds on the blood of mammals and birds
203. a con\_\_\_\_ly innovative enterprise *adv.* all the time
204. oxygen a\_\_m *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

ANSWERS: 194. pulse, 195. chemical, 196. extraordinary, 197. endless, 198. giant, 199. microscope, 200. traffic, 201. tongue, 202. flea, 203. constantly, 204. atom

205. magnetic st\_\_l *n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure
206. high po\_\_\_n count *n.* a fine powder substance consisting of microscopic grains produced by plants that facilitate their reproductive process through the process of pollination
207. au\_\_\_a watching *n.* a natural appearance of colored light in Earth's sky that is usually seen in high-latitude regions, especially around the Arctic and Antarctic
208. a fl\_\_\_\_r of a bird *v.* to wave or flap quickly and lightly; (noun) the act of moving back and forth
209. spread of the vi\_\_s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
210. br\_\_\_\_n students' knowledge *v.* to make or become wider or more extensive; to make or become more tolerant or liberal.
211. gold st\_\_\_k *n.* a long, narrow mark or band, typically one of a different color or texture from the surrounding surface; a brief period or run of success, luck, or behavior; a consistent pattern of behavior or a distinguishing characteristic of an individual
212. im\_\_\_\_e animal sounds *v.* to copy the speech, behavior, appearance, etc. of someone or something

ANSWERS: 205. steel, 206. pollen, 207. aurora, 208. flutter, 209. virus, 210. broaden, 211. streak, 212. imitate

213. ti\_\_\_\_\_se photography *n.* a technique in photography or cinematography where a series of images or frames are taken at set intervals and then played back at a faster speed to create the illusion of time moving quickly
214. 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
215. su\_\_\_\_\_e a blizzard *v.* to live or exist despite a dangerous event or period
216. in direct su\_\_\_\_\_ht *n.* the light emitted by the sun; the rays of the sun
217. unsolved my\_\_\_\_\_y *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
218. c\_\_g artery *v.* to obstruct or block up (a passage, pipe, or system) with an accumulation of thick or sticky matter; to impede or hinder the progress or movement of something
219. sw\_\_p up dead leaves *v.* to clean something, especially a floor or an area, by using a broom; move swiftly and smoothly
220. gr\_\_d bargain *adj.* important and large in size, scope, or extent
221. fl\_\_\_\_\_r around finding *v.* to wave or flap quickly and lightly; (noun) the act of moving back and forth

ANSWERS: 213. timelapse, 214. disease, 215. survive, 216. sunlight, 217. mystery, 218. clog, 219. sweep, 220. grand, 221. flutter

222. cat\_\_\_\_\_ar of a butterfly *n.* the wormlike larva of a butterfly or moth
223. seasoned fl\_\_r *n.* (also "flyer") a person who travels by air or an airplane passenger; a leaflet or pamphlet designed to be handed out or posted to provide information or advertise something
224. thousands of po\_\_ds *n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces

ANSWERS: 222. caterpillar, 223. flier, 224. pound

## Session 3: Fill in the Blanks

1. This year's \_\_\_\_\_ gathering will be held in Canada.  
*adj.* important and large in size, scope, or extent
2. The cardiac monitor displays the intensity of your \_\_\_\_\_.  
*n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves
3. 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
4. Solar gravity creates \_\_\_\_\_ pressures and temperatures.  
*adj.* very great in amount or degree
5. \_\_\_\_\_ prevalent in hospitals are often resistant to antibiotics.  
*n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
6. The \_\_\_\_\_ jets gradually dominate the world's airlines.  
*adj.* enormous; much bigger or more important than similar items usually are
7. He was \_\_\_\_\_ of the scrutiny.  
*adj.* not understanding something or having knowledge or idea of something
8. The unique style of this martial arts \_\_\_\_\_ many action film producers.  
*v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

ANSWERS: 1. grand, 2. pulse, 3. disease, 4. extreme, 5. Bacteria, 6. giant, 7. unaware, 8. inspired

9. The \_\_\_\_\_ party strongly disagreed with the government's proposed legislation.  
*n.* the act of disagreeing or resisting; the state of strong disagreement
10. The mobile application industry is \_\_\_\_\_ changing.  
*adv.* all the time
11. I always carry a backup \_\_\_\_\_ in case my phone runs out of battery.  
*n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
12. The spaceship began to burn up as it approached the Earth's \_\_\_\_\_.  
*n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
13. The deep sea \_\_\_\_\_ was unlike anything the scientists had ever seen before.  
*n.* a living being, especially an animal
14. These \_\_\_\_\_ are more prevalent above a certain latitude.  
*n.* any small creature that has six legs and a body divided into three sections
15. A \_\_\_\_\_ audience viewed the broadcast.  
*adj.* enormous in size, number, amount, or quantity
16. She falls over \_\_\_\_\_ when she sees her mother-in-law.  
*adv.* at, to, or toward the direction or place that is behind or rear
17. The \_\_\_\_\_ spun an intricate web in the corner of the room.  
*n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing

ANSWERS: 9. opposition, 10. constantly, 11. device, 12. atmosphere, 13. creature, 14. insects, 15. vast, 16. backward, 17. spider



18. An \_\_\_\_\_ curler is a girl's best friend.  
*n.* any of the short hairs that grow around the eyes
19. Scientific knowledge will \_\_\_\_\_ significantly with the power of AI.  
*v.* to go or move forward; to develop in a positive way
20. Two birds were \_\_\_\_\_ overhead.  
*v.* to stay in one place in the air
21. Aging \_\_\_\_\_ up slowly with time.  
*v.* to move slowly, quietly, and carefully, usually to avoid being seen or heard
22. We are motivated by \_\_\_\_\_ rather than necessity.  
*n.* a strong desire to know or learn about something
23. The company \_\_\_\_\_ its product line to include more customer options.  
*v.* to make or become wider or more extensive; to make or become more tolerant or liberal.
24. The gardener found a \_\_\_\_\_ slowly making its way through the lettuce patch.  
*n.* a slow-moving mollusk with a spiral shell that it uses to protect its body
25. The \_\_\_\_\_ video beautifully captured the changing seasons over a year.  
*n.* a technique in photography or cinematography where a series of images or frames are taken at set intervals and then played back at a faster speed to create the illusion of time moving quickly
26. The outermost \_\_\_\_\_ shell determines the chemical properties of an atom.  
*n.* a tiny particle with the negative electrical charge

ANSWERS: 18. eyelash, 19. advance, 20. hovering, 21. creeps, 22. curiosity, 23. broadened, 24. snail, 25. timelapse, 26. electron

27. He enjoys collecting \_\_\_\_\_ specimens.
- n.* a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings
28. She tried to \_\_\_\_\_ the layout of the new house in her mind.
- v.* to form a mental image or concept of something; to make something visible
29. The car's front bumper cost fifteen hundred \_\_\_\_\_.
- n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
30. My allergies flare up during \_\_\_\_\_ season, making it difficult to breathe.
- n.* a fine powder substance consisting of microscopic grains produced by plants that facilitate their reproductive process through the process of pollination
31. The security camera has \_\_\_\_\_ four intruders.
- v.* to find or recognize something, especially something difficult to see, hear, etc.
32. The chef expertly \_\_\_\_\_ the sauce onto the plate.
- v.* to move in a circular or spiral pattern
33. It's important to \_\_\_\_\_ your strengths and weaknesses.
- v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
34. The \_\_\_\_\_ of the dancers on stage was graceful and elegant.
- n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

ANSWERS: 27. butterfly, 28. visualize, 29. pounds, 30. pollen, 31. detected, 32. swirled, 33. recognize, 34. movement

35. The company plans to \_\_\_\_\_ its new product at the trade show next week.  
*v.* to reveal or make something publicly known, especially for the first time
36. My home is easily \_\_\_\_\_ from the shore.  
*adj.* capable of being seen; or open to easy view
37. The professor explained the \_\_\_\_\_ of the nervous system.  
*n.* the scientific study that deals with the physical structure of humans, animals, or plants
38. They found a new species of water-\_\_\_\_\_ insect.  
*n.* a house or place that someone is living in
39. By remaining neutral, this \_\_\_\_\_ continued to exist.  
*n.* the country ruled by a king or queen
40. The \_\_\_\_\_ surrounding the disappearance of the traveler has yet to be solved by authorities.  
*n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
41. 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
42. The \_\_\_\_\_ demonstrate that poverty and unemployment are genuine problems.  
*n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

ANSWERS: 35. unveil, 36. visible, 37. anatomy, 38. dwelling, 39. kingdom, 40. mystery, 41. represent, 42. statistics

43. The detective followed a \_\_\_\_\_ of clues which ultimately led to the suspect's arrest.
- n.* a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a thread through a needle or other small opening, in preparation for sewing or stitching
44. She treasured the small \_\_\_\_\_ that her grandmother had given her.
- n.* a precious stone that is cut and polished for use in jewelry
45. The \_\_\_\_\_ disease caused a severe outbreak in the city.
- n.* a small, agile, wingless, and parasitic insect that feeds on the blood of mammals and birds
46. They hope to \_\_\_\_\_ their business worldwide.
- v.* to increase or to make something greater in size, number, or importance
47. These birds can only \_\_\_\_\_ in temperate climates.
- v.* to live or exist despite a dangerous event or period
48. The phenomenon is \_\_\_\_\_ at optical wavelengths.
- adj.* impossible or nearly impossible to see
49. The human eye is \_\_\_\_\_ in recognizing objects.
- n.* a flash, or several flashes, of light that accompanies an electric discharge in the atmosphere, or something resembling such a flash
50. During colonial eras, new migratory patterns \_\_\_\_\_.
- v.* to move out of or away from something and become visible

ANSWERS: 43. thread, 44. jewel, 45. flea-borne, 46. expand, 47. survive, 48. invisible, 49. lightning-fast, 50. emerged

51. Radiation from \_\_\_\_\_ has a different wavelength.

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

52. The outermost electron shell of an \_\_\_\_\_ determines its chemical characteristics.

*n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

53. The golfer recorded an \_\_\_\_\_ distance.

*adj.* extremely surprising, especially in a way that you like or admire

54. The politician tried to \_\_\_\_\_ the embarrassing incident under the rug.

*v.* to clean something, especially a floor or an area, by using a broom; move swiftly and smoothly

55. The consequences of the pandemic remain \_\_\_\_\_ as scientists continue to research the virus.

*adj.* not seen or noticed; not perceived

56. On three sides, mountains \_\_\_\_\_ the settlement.

*v.* to be all around something or somebody

57. My father's death \_\_\_\_\_ my life completely.

*v.* to change in outward structure or looks;

58. As the sun set, the colors of the sky merged with the \_\_\_\_\_ creating a beautiful orange and pink hue.

*n.* the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated

ANSWERS: 51. sunlight, 52. atom, 53. amazing, 54. sweep, 55. unseen, 56. surround, 57. transformed, 58. horizon,

59. I heard several melodic \_\_\_\_\_ simultaneously.

*n.* a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore

60. He narrated the \_\_\_\_\_ story of his adventure.

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

61. This movie is famous for its romantic \_\_\_\_\_.

*n.* the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events

62. He looked out the window at the \_\_\_\_\_ stream of people.

*adj.* having no end or conclusion; infinitely very large in size or amount

63. The drain was \_\_\_\_\_ with hair and needed to be cleaned out.

*v.* to obstruct or block up (a passage, pipe, or system) with an accumulation of thick or sticky matter; to impede or hinder the progress or movement of something

64. The company experienced \_\_\_\_\_ growth over the past decade.

*adj.* lasting for a long time or continuing for a long time without becoming weaker or less intense

65. Driving is difficult for me because of my poor \_\_\_\_\_.

*n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

66. He had a \_\_\_\_\_ of stubbornness that made him difficult to work with.

*n.* a long, narrow mark or band, typically one of a different color or texture from the surrounding surface; a brief period or run of success, luck, or behavior; a consistent pattern of behavior or a distinguishing characteristic of an individual

ANSWERS: 59. strands, 60. extraordinary, 61. imagery, 62. endless, 63. clogged, 64. sustained, 65. vision, 66. streak

67. We \_\_\_\_\_ the results of the election with bated breath.

*v.* to wait or stay ready for something; to expect or anticipate something

68. Many people see the \_\_\_\_\_ of traveling as an opportunity to experience new cultures and broaden their horizons.

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

69. The \_\_\_\_\_ of the country is struggling due to the recent political instability.

*n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

70. Management must take \_\_\_\_\_ responsibility for the accident.

*adj.* furthest or highest in degree or order

71. The \_\_\_\_\_ explosion created a bright new star in the night sky.

*n.* a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant

72. The \_\_\_\_\_ is about 13.8 billion years old.

*n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

73. The wallpaper had a pattern of pink \_\_\_\_\_ on a white surface.

*n.* a very small circular mark, especially one that is printed

74. I always look forward to reading his stories since they're so \_\_\_\_\_.

*adj.* showing inventiveness and ability or skill

ANSWERS: 67. await, 68. upside, 69. economy, 70. ultimate, 71. supernova, 72. universe, 73. dots, 74. ingenious

75. She's on the \_\_\_\_\_ of adulthood.
- n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
76. We decided to take a detour to avoid the construction \_\_\_\_\_ on the main road.
- n.* the movement of vehicles, people, or goods along a route or through a transport system; the amount of such movement in a particular place or at a particular time
77. He \_\_\_\_\_ the modus operandi of the famous phantom thief.
- v.* to copy the speech, behavior, appearance, etc. of someone or something
78. The firm has grown into a large \_\_\_\_\_ manufacturing.
- adj.* relating to or connected with chemistry;
79. Trees absorb \_\_\_\_\_ dioxide and give off oxygen.
- n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
80. Terrorists often attempt to \_\_\_\_\_ the economic impact of their acts of destruction.
- v.* to make something look bigger than it really is, especially by looking at it through a lens; to make something bigger, stronger, or louder
81. The surgeon removed the tumor using \_\_\_\_\_ video assistance.
- adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
82. The skin of a snake is remarkably \_\_\_\_\_ allowing it to slither through tight spaces.
- adj.* flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable

ANSWERS: 75. threshold, 76. traffic, 77. imitated, 78. chemical, 79. carbon, 80.



magnify, 81. robotic, 82. elastic,

83. He is a man admired for the depth of his \_\_\_\_\_.

- n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses

84. The \_\_\_\_\_ forest covers vast areas of Canada and Alaska.

- adj.* relating to the Northern Hemisphere or relating to the northern forests called taiga

85. I will introduce some \_\_\_\_\_ on learning English in this class.

- n.* the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services

86. I caught a rare \_\_\_\_\_ in the mountains.

- n.* a slender-bodied non-stinging insect having two pairs of large transparent wings that are outspread at rest

87. He felt \_\_\_\_\_ and constantly changed his postures.

- adj.* unwilling or unable to stay still or relax because you are worried and uneasy

88. She wore a \_\_\_\_\_ dress to the party.

- n.* a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric

89. Continuous consumption of fatty foods leads to the hardening of the \_\_\_\_\_.

- n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.

ANSWERS: 83. perception, 84. boreal, 85. tips, 86. dragonfly, 87. restless, 88. silk, 89. artery

90. The butterfly \_\_\_\_\_ its wings gracefully.

*v.* to wave or flap quickly and lightly; (noun) the act of moving back and forth

91. An infected person in the hospital will likely pass the \_\_\_\_\_ to others.

*n.* a tiny infectious organic material that causes disease in people, animals, and plants

92. Take a right turn at the next \_\_\_\_\_.

*n.* a point where two or more roads, lines, etc., cross each other

93. This process improves the strength of the metal by controlling the \_\_\_\_\_ lattice structure of the metal.

*adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

94. \_\_\_\_\_ rays are high-energy particles that originate from outside the solar system.

*adj.* relating to the universe or cosmos; vast or limitless

95. He grows vegetables in his \_\_\_\_\_.

*n.* a whole space behind and belonging to a house

96. His father's death changed his whole \_\_\_\_\_ on life.

*n.* a confident attitude toward something; a particular style of thinking about something

97. He borrowed money from a loan \_\_\_\_\_.

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

ANSWERS: 90. fluttered, 91. virus, 92. intersection, 93. nanoscale, 94. Cosmic, 95. backyard, 96. perspective, 97. shark

98. As a frequent \_\_\_\_\_ I accumulate a lot of miles that I use for vacation trips.
- n.* (also "flyer") a person who travels by air or an airplane passenger; a leaflet or pamphlet designed to be handed out or posted to provide information or advertise something
99. Along the gravel roads, sizeable yellow school buses \_\_\_\_\_.
- v.* to move forward slowly, as people or animals with their bodies near the ground
100. Her research team made an important \_\_\_\_\_.
- n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
101. The bishop bestowed the golden \_\_\_\_\_ on the king.
- n.* a circular ornamental headdress, worn as a symbol of authority by a king, usually made of gold and precious stones
102. 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
103. The highway \_\_\_\_\_ officer pulled over the speeding vehicle on the freeway.
- n.* the act of guarding an area or conducting surveillance of an area to maintain order, perform security functions, or prevent crime; a group of officers or soldiers that conducts such an operation
104. I used an optical \_\_\_\_\_ to observe the small organisms in the water sample.
- n.* an instrument used to see objects or substances that are too small to be seen with the naked eye

ANSWERS: 98. flier, 99. crawl, 100. discovery, 101. crown, 102. planet, 103. patrol, 104. microscope

105. This bridge is the third largest \_\_\_\_\_ bridge in the world.

- n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure

106. The \_\_\_\_\_ is boneless, but it is as strong as bones.

- n.* a moveable mass of muscle tissue covered with mucous membrane that is in the mouth; a tongue

107. I missed the deadline due to a \_\_\_\_\_ in my memory.

- n.* a temporary or brief failure in judgment, action, or behavior; a gradual or slow decline, often referring to a loss of performance, quality, or attention; a period of time that has passed; (verb) to fall or slip into a particular state, often one that is undesirable or unintended

108. The fan \_\_\_\_\_ the air in the room quickly.

- v.* to move continuously or freely around a place or closed system

109. This approach employs both \_\_\_\_\_ and macro analysis methods.

- n.* extremely small in scale or scope; one millionth

110. Northern and southern hemispheres alike experience the \_\_\_\_\_.

- n.* a natural appearance of colored light in Earth's sky that is usually seen in high-latitude regions, especially around the Arctic and Antarctic

111. I gently removed the \_\_\_\_\_ from the freshly boiled egg.

- n.* the hard, outer layer of an egg, typically thin and fragile, and has a slightly rough texture

112. The woolly bear \_\_\_\_\_ munched on leaves all day.

- n.* the wormlike larva of a butterfly or moth

ANSWERS: 105. steel, 106. tongue, 107. lapse, 108. circulates, 109. micro, 110. aurora, 111. eggshell, 112. caterpillar

ANSWERS: