



Vocabulary Builder Reference from...

Luca Turin: The science of scent | TED Talk

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

All Words

IMPORTANT

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

Session 1: Word List

fragrance

n. a pleasant or sweet smell, especially one that is natural to a particular substance

synonym : aroma, scent, perfume

(1) **fragrance** oil, (2) lavender **fragrance**

The **fragrance** of the roses filled the air and brought a smile to my face.

paradise

n. a place or state of perfect happiness; a heaven on earth
synonym : heaven, Eden, utopia

(1) **paradise** island, (2) **paradise** for criminals

Hawaii is often referred to as an everlasting summer **paradise**.

nation

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

synonym : country, state, sovereign entity

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

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

split

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

synonym : break, divide, break apart

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

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

laud

v. to praise or applaud enthusiastically; to extol or commend highly; to express approval or admiration for someone or something

synonym: praise, acclaim, extol

(1) **laud** achievements, (2) **laud** his effort

Everyone in the room began to **laud** the speaker's inspiring words.

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.

grateful

adj. feeling or showing an appreciation of kindness; thankful

synonym: thankful, appreciative, indebted

(1) a **grateful** breeze, (2) put a **grateful** expression

She was **grateful** for the help he provided.

successive

adj. following one after another in a series or sequence; happening or occurring in continuous or consecutive order; consecutive or sequential in nature

synonym: consecutive, serial, sequential

(1) **successive** attempts, (2) **successive** failures

The team won their seventh **successive** game, maintaining their winning streak.

chord

n. a straight line connecting two points on a curve; a combination of three or more musical notes played or sung at the same time

synonym: harmony, concord, consonance

(1) **chord** transition, (2) his vocal **chords**

The pianist played a **chord** that filled the room with a rich, harmonious sound.

lush

adj. produced or growing in extreme abundance, often in an attractive way; having strong sexual appeal

synonym: leafy, overgrown, dense

(1) **lush** and fertile land, (2) the abundance of **lush** vegetation

This area has an environment of **lush** greenery and water courses.

bark

n. the hard outer layer of a tree; a sound made by dogs or some other animals

synonym: skin, husk, crust

(1) trees with rough **bark**, (2) **bark** at the moon

He removed the **bark** from the tree.

forbidden

adj. not permitted or allowed by rules or laws

synonym: prohibited, banned, illegal

(1) **forbidden** words, (2) **forbidden** love

Taking photographs inside the museum is **forbidden**.

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.

molecule

n. a group of two or more atoms held together by attractive forces known as chemical bonds

synonym: particle, element, atom

(1) small **molecules**, (2) **molecule** behavior

The shape of the DNA **molecule** is a double helix.

impressive

adj. arousing admiration due to size, quality, or skill

synonym: impactful, remarkable, exceptional

(1) **impressive** performances, (2) an **impressive** array of facts

The budget reduction was an **impressive** feat for our nation.

subjective

adj. based on a personal perspective or feeling rather than an unbiased or objective view; influenced by personal opinions, interpretations, or feelings

synonym: personal, individual, experiential

(1) **subjective** opinion, (2) **subjective** interpretation

The concept of time is **subjective** and can feel longer or shorter depending on the situation.

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.

perfumery

n. the art or business of creating, blending, or selling perfumes; a place where perfume is made or sold

synonym: perfume shop, fragrance store, scent store

(1) French **perfumery**, (2) luxury **perfumery**

The perfume boutique is considered a high-end **perfumery**, offering a wide range of luxury fragrances.

waft

v. to be carried along, as if by a current of air or water; to float or drift gently; (noun) a gentle movement or flow of air, usually carrying a scent, sound, or sensation with it

synonym: float, drift, glide

(1) **waft** in the breeze, (2) **waft** of steam

The smell of freshly baked bread began to **waft** through the house.

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.

periodic

adj. happening at regular intervals over a while

synonym : regular, frequent, recurring

(1) the **periodic** blooming of the cherry-blossom,

(2) **periodic** payments

Astronomers are examining whether the **periodic** signals emanating from this star are artificial.

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.

chemistry

n. the branch of the natural sciences dealing with the composition of substances and their properties and reactions

(1) professor of **chemistry**, (2) the **chemistry** of soil

He is familiar with **chemistry** and biology.

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.

hexagon

n. a six-sided polygon with six angles and six sides of equal length

synonym : hexahedron, six-sided figure, six-gon

(1) **hexagon** head bolt, (2) **hexagon** pattern

The honeycomb structure of a beehive is made up of **hexagons**.

bond

n. a close emotional connection between two or more people; a certificate of debt that a government or corporation issues to raise money

synonym : bind, adhesion, attachment

(1) **bond** as a family, (2) global **bond** market

They had formed a friendship **bond**.

alcohol

n. a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.

synonym : booze, liquor, ethanol

(1) stop drinking **alcohol**, (2) diluted **alcohol**

There is a clear association between **alcohol** consumption and cognitive decline.

skeleton

n. the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant

synonym : bones, frame, structure

(1) the steel **skeleton** of a building, (2) **skeleton** hand

Scientists studied the ancient **skeleton** to learn more about the creature's anatomy.

hydrogen

n. the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water

(1) **hydrogen** gas, (2) heavy **hydrogen**

The **hydrogen** and the oxygen react and then form water.

sphere

n. a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity

synonym : ball, globe, scope

(1) **sphere** of influence, (2) business **sphere**

The **sphere** of the earth is divided into several layers including the crust, mantle, and core.

penetrate

v. to pass into or through something, often by overcoming resistance

synonym: pierce, stab, go through

(1) **penetrate** a cell, (2) **penetrate** quickly into the skin
Western ideology slowly **penetrates** through the eastern countries.

repel

v. to force an attack or attacker to withdraw or retreat

synonym: turn away, fight off, force back

(1) **repel** bandits, (2) **repel** bad luck
This material can **repel** moisture swiftly.

violet

adj. between blue and purple in hue

synonym: purple

(1) bluish- **violet**, (2) **violet** quartz

Red and **violet** are opposites on the color spectrum.

biology

n. the scientific study of life and the natural processes of living things

(1) evolutionary **biology**, (2) cell and molecular **biology**

In junior high school, we had to dissect a frog in **biology** class.

enzyme

n. a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction

synonym: catalyst, activator, accelerator

(1) **enzyme** reaction, (2) lack of digestive **enzymes**

A deficiency in the **enzyme** can lead to a medical condition.

chew

v. to crush or grind something, especially food, with the teeth and then swallow it

synonym: masticate, crush, grind

(1) **chew** each word, (2) **chew** a stick of gum

My dog loves to **chew** on bones.

antibody

n. a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease

(1) produce **antibody**, (2) **antibody** against bacteria

This pharmaceutical company is developing **antibody** drugs with fewer side effects.

protein

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

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

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

grab

v. to take hold of something or someone suddenly with a hand, especially in a violent way

synonym: clutch, snatch, grasp

(1) **grab** an audience, (2) **grab** an opportunity

Shall we **grab** a bite to eat?

notion

n. a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts

synonym: idea, concept, belief

(1) **notion** of success, (2) vague **notion**

The **notion** of time travel has long fascinated scientists and fiction writers alike.

molecular

adj. of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)

synonym: microscopic, atomic

(1) **molecular** structure, (2) **molecular** biology

Molecular weight is the sum of all the atoms.

vibration

n. a continuous quick and slight shaking movement

synonym: oscillation, fluctuation, reverberation

(1) protection against **vibration**, (2) sympathetic **vibration**
Vibration displaced part of the mechanism.

insane

adj. extremely stupid, crazy, or dangerous; mentally ill
synonym: crazy, mad, foolish

(1) go **insane** with pleasure, (2) an **insane** scheme
Her excessive demands drove me **insane**.

predecessor

n. a person who held a position or office before the current holder

synonym: antecedent, forerunner, precursor

(1) the words of a **predecessor**, (2) **predecessor** model
The new CEO is the **predecessor** of the former CEO.

bob

v. to move up and down quickly and repeatedly, often in a short, jerky motion; to cut, trim, or shorten hair, especially by repeatedly snipping with scissors; (noun) a hairstyle in which the hair is cut short and even all around, usually above the shoulders

synonym: bobble, bounce, wag

(1) **bob** a quick curtsy, (2) **bob** on the surface of the water
I need to **bob** my head to the beat of the music.

wright

n. a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal

synonym: builder, constructor, craftsman

(1) a car- **wright**, (2) aircraft **wright**

She was a skilled **wright**, able to craft intricate pieces of furniture.

gradual

adj. happening slowly over a long period of time or distance; not steep or abrupt

synonym: incremental, gradational, piecemeal

(1) a **gradual** process, (2) a **gradual** change

The country experienced a **gradual** increase in population.

convince

v. to persuade someone or make someone believe that something is true

synonym: persuade, win over, convert

(1) **convince** her to go with us, (2) **convince** an opponent
I am considering what I should do to **convince** him.

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**.

norm

n. something that is regarded as usual, typical, or standard

synonym: criterion, mean, standard

(1) **norm** of action, (2) cultural **norm**

The systems we have developed has accepted as industry **norms**.

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.

schematic

adj. relating to or in the form of a scheme or diagram; showing the structure or organization of something

synonym: diagrammatic, blueprint, structural

(1) **schematic** model, (2) simplified **schematic**

The engineer used a **schematic** diagram to plan out the wiring for the new building.

bind

v. to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

synonym: tie, stick to, adhere

(1) **bind** the man's hands, (2) **bind** old letters into a bundle

The company's rules **bind** the employee's working hours.

attraction

n. a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity

synonym: allure, appeal, interest

(1) the big **attraction** of the event, (2) popular tourist **attraction**

She felt an instant **attraction** toward him.

summarize

v. to give a brief statement of the most important facts or ideas about something

synonym: recap, outline, digest

(1) **summarizes** the main ideas, (2) **summarize** text

Each chapter **summarizes** the most critical issues.

slide

v. to move or cause to move smoothly along a surface without interruption

synonym: glide, drift, drop

(1) **slide** a card across the table, (2) **slide** a glance

If necessary, you can **slide** the front seats forward.

memorize

v. to learn something carefully so that you will remember it exactly

synonym: learn, remember, remind

(1) **memorize** musical scores, (2) try hard to **memorize** the lines

Lawyers need to **memorize** even the most minor provisions of the law.

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**.

workbook

n. a book used to practice and reinforce lessons or exercises, especially in a school or educational setting

synonym: exercise book, manual

(1) **workbook** exercise, (2) language **workbook**

I have to complete the exercises in the **workbook** before the next class.

sandalwood

n. a fragrant, yellowish wood obtained from various tropical trees, used for carving, building, and in the production of perfumes and aromatherapy oils

(1) **sandalwood** beads, (2) **sandalwood** oil

The room was filled with a calming **sandalwood** aroma from the scented candles.

exclamation

n. a sudden outcry or shout, especially one expressing strong emotion

synonym: outcry, shout, yell

(1) an **exclamation** of surprise, (2) **exclamation** mark

Her sudden **exclamation** drew everyone's attention.

awful

adj. causing fear, dread, or terror; very bad or unpleasant

synonym: terrible, appalling, horrible

(1) an **awful** error, (2) do **awful** damage

I regretted making an **awful** mistake in my final exam.

roughly

adv. approximately but not precisely; with a violent manner

synonym: approximately, more or less, around

(1) **roughly** explain my idea, (2) **roughly** speaking

Five miles is **roughly** similar to eight kilometers.

doll

n. a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive

synonym: puppet, dolly, toy

(1) plastic **doll**, (2) rag **doll**

The antique **doll** was worth thousands of dollars.

salary

n. a fixed amount of money that employees, especially those who work in an office, receive for doing their job, usually paid every month

synonym : compensation, earnings, pay

(1) a handsome **salary**, (2) **salary** after taxes

What are your annual **salary** expectations?

profoundly

adv. to a great or complete degree; deeply

synonym : deeply, greatly, completely

(1) **profoundly** insightful, (2) sleep **profoundly**

The novel affected her **profoundly**, causing her to question her beliefs and values.

inefficient

adj. lacking the ability or skill and not making the best use of time, money, energy, etc.

synonym : ineffective, counterproductive, inadequate

(1) **inefficient** use, (2) **inefficient** management

The system is still so **inefficient** that it is useless.

process

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

synonym : procedure, method, system

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

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

definition

n. a concise explanation of the meaning of a word, phrase, or symbol

synonym : description, connotation, meaning

(1) a precise **definition**, (2) the **definition** of a word

Parallel lines are, by **definition**, lines on the same plane that never cross.

labor

n. productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal

synonym: toil, moil, donkeywork

(1) seasonal **labor**, (2) manual **labor**

In several countries, child **labor** is a serious social problem.

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**.

vodka

n. a distilled alcoholic beverage made from fermented grains or potatoes, typically with high alcohol content and little or no added flavoring

synonym: spirit, liquor, distilled beverage

(1) **vodka** shot, (2) flavored **vodka**

I ordered a **vodka** tonic at the bar.

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.

purity

n. the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature

synonym: sinlessness, innocence, cleanliness

(1) the degree of **purity**, (2) high **purity**

Higher **purity** requires additional equipment and energy.

ethanol

n. a colorless, flammable alcohol that is produced by the fermentation of sugars and is commonly used as a fuel,

solvent, and in the manufacture of alcoholic beverages
synonym : alcohol, ethyl alcohol, grain alcohol

(1) **ethanol** plant, (2) **ethanol** production

The production of **ethanol** can have environmental benefits if produced from renewable sources.

converse

v. to talk informally

synonym : discourse, discuss, exchange

(1) **converse** with an acquaintance, (2) ask a **converse** question

She enjoyed the opportunity to **converse** with a person who spoke her language.

sulfur

n. (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications

(1) **sulfur** dioxide, (2) **sulfur** mine

The **sulfur** emissions from the nearby factory caused the rotten egg smell.

recognition

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

synonym : acknowledgement, identification, credit

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

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

physicist

n. a scientist who specializes in the field of physics

(1) talented **physicist**, (2) theoretical **physicist**

Einstein was an outstanding and famous **physicist** of the 20th century.

profound

adj. extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

synonym :

deep, unsounded, far-reaching

(1) a **profound** book, (2) the **profound** depths of the sea
My mother's illness had a **profound** impact on us all.

distaste

n. a feeling that someone something is unpleasant or unacceptable

synonym : antipathy, aversion, disgust

(1) having a strong **distaste**, (2) popular **distaste** for corruption

She grimaced in **distaste** when someone said the insulting words.

vibrate

v. to move or cause anything to move fast and in small increments from side to side

synonym : oscillate, convulse, jerk

(1) **vibrate** at a regular frequency, (2) **vibrate** with anger

During the flight, the wings of the plane **vibrate**.

frequency

n. an ordered array of colors into which a light beam can be split

synonym : recurrence, repetition, regularity

(1) **frequency** band, (2) high **frequency**

The oscillator hunts for the correct **frequency**.

specific

adj. clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

synonym : particular, definite, distinct

(1) **specific** instructions, (2) industry- **specific** regulations

The scientist conducted a study that provided **specific** details about the species' behavior.

stretch

v. to make or be capable of making anything longer or broader without hurting or breaking

synonym : lengthen, prolong, extend

(1) **stretch** along the coast, (2) **stretch** a story

Some herds have been observed to **stretch** hundreds of

kilometers.

translate

v. to convert or change words into another language

synonym: convert, transcribe, render

(1) **translate** a document into English, (2) **translate** the emotion to a movement

Translate the text from Italian into English.

audible

adj. able to be heard; loud enough to be heard clearly

synonym: hearable, perceptible, loud enough

(1) **audible** sound, (2) **audible** words

An **audible** sigh from the back of the room broke the silence.

keyboard

n. device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work

synonym: console, piano

(1) numeric **keyboard**, (2) **keyboard** instruments

Please strike the "enter" on the **keyboard**.

dam

n. a wall constructed over a river to block the flow of water, mainly used to generate energy

synonym: barricade, barrier, embankment

(1) **dam-building** program, (2) **dam** collapsing

The break in the **dam** threatened the valley.

unique

adj. being the only one of its kind; unlike anything else

synonym: one-of-a-kind, unparalleled, incomparable

(1) a **unique** teacher, (2) **unique** design

The painting is **unique**, and there is no other like it.

degree

n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

synonym: level, qualification, diploma

(1) bachelor's **degree**, (2) **degree** centigrade

She received her **degree** in psychology from the university.

plausibility

n. the quality or state of seeming reasonable or believable; the likelihood or probability of something being true or valid

synonym: plausibleness, credibility, believability

(1) **plausibility** test, (2) lacking **plausibility**

The **plausibility** of the witness's testimony was called into question during the trial.

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.

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.

prediction

n. the act of predicting the future by reasoning; a statement made about the future

synonym: forecast, anticipation, foretelling

(1) make my **predictions**, (2) gloomy **predictions**

These results muddied the **prediction**.

absolutely

adv. without restriction or limitation; completely or utterly

synonym: completely, utterly, definitely

(1) **absolutely** against, (2) **absolutely** obsessed with the girl

I am **absolutely** opposed to his idea because of morality.

toast

n. slices of bread browned on both sides that have been put near a high heat; a drink in honor of or to the health of a person or even

(1) drink a **toast**, (2) slice of **toast**

We made a **toast** with everyone.

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**.

rocket

n. a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon

synonym : projectile, missile

(1) **rocket** attack against the enemy, (2) **rocket** fuel

The **rocket** launch platform is visible from this hill.

fuel

n. a substance that is typically burned to generate heat or energy

synonym : energy, power, gas

(1) biomass **fuel**, (2) smokeless **fuel**

The **fuel** scarcity most severely impacted the manufacturing sector

explode

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

synonym : detonate, blast, rupture

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

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

spontaneously

adv. in a way that is natural, not planned or forced, and often sudden

synonym : impromptu, automatically, immediately

(1) recover **spontaneously** after five days, (2) this shift occurs **spontaneously**

The electrical cord **spontaneously** combusted.

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**.

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.

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.

calculate

v. to judge or find out the amount or number of something by using mathematics

synonym : compute, figure, estimate

(1) **calculate** the distance, (2) **calculate** his credit score

He couldn't **calculate** the actual value of the artwork.

literature

n. written works, such as novels, plays, poems, or short stories that are considered to have artistic or intellectual value

synonym : writing, prose, fiction

(1) popular **literature**, (2) review of the **literature**

The **literature** of the Romantic period is known for its emotion and imagination.

synthesize

v. to combine a substance to make a more complex product or compound

synonym : incorporate, amalgamate

(1) **synthesize** molecules, (2) **synthesize** information

The spider can **synthesize** multiple different silk proteins.

enormous

adj. extremely large or great

synonym : huge, giant, gigantic

(1) **enormous** amount, (2) **enormous** potential

Shakespeare's output of poetry was **enormous**.

germ

n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

synonym : bacterium, microbe, pathogen

(1) antibiotic-resistant **germ**, (2) a **germ-free** environment

The **germ** of his idea came from watching birds flying in flocks.

repulsive

adj. causing strong dislike or disgust; offensive, unpleasant, or grotesque; resisting or rejecting contact or influence

synonym : disgusting, revolting, repugnant

(1) **repulsive** smell, (2) **repulsive** act

The politician's rhetoric was so **repulsive** that many people refused to vote for him.

reminiscent

adj. making you remember someone or something; relating to the recall of personal interests

synonym : evocative, remindful, redolent

(1) **reminiscent** of ancient times, (2) **reminiscent** smile

His painting style is **reminiscent** of Monet's

utterly

adv. completely or absolutely

synonym : absolutely, completely, perfectly

(1) **utterly** changed, (2) **utterly** ignorant

We are **utterly** opposed to any form of terrorism.

slight

adj. very small in degree or amount

synonym : feeble, nuanced, subtle

(1) feel a **slight** concern, (2) **slight** increase

We made **slight** modifications to reflect the views of both sides.

ointment

n. a medicated salve or paste applied to the skin for treatment or relief of a condition

synonym: salve, balm, cream

(1) **ointment** for eczema, (2) eye **ointment**

I need to apply the **ointment** to my burn to help it heal faster.

spectroscope

n. an optical instrument used for spectrographic analysis (= measurement of properties of light over a specific portion of the electromagnetic spectrum)

(1) infrared **spectroscope**, (2) Fourier **spectroscope**

An X-ray **spectroscope** can determine the composition of the elements in a sample.

bench

n. a long, flat surface, often elevated and supported by legs, used for sitting, working, or displaying objects; persons who administer justice

synonym: seat, terrace, judiciary

(1) **bench** conference, (2) **bench board**

I sat on the **bench** in the park and enjoyed the beautiful scenery.

unlikely

adj. not probable or likely to happen

synonym: doubtful, questionable, far-fetched

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

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

resemble

v. to look like or be similar to someone or something

synonym: look like, be similar to

(1) **resemble** each other, (2) **resemble** her mother

The brothers **resemble** each other in the hobby.

objection

n. a reason or statement expressing disapproval or dissent

synonym:

protest, opposition, dissent

(1) take **objection**, (2) **objection** to a rule

There were several **objections** raised during the meeting.

neglect

v. to not give enough care or attention to something; to leave something undone

synonym: delinquency, carelessness, decay

(1) **neglect** to call, (2) **neglect** ethical issues

He **neglected** his health to make the project a success.

lamb

n. a young sheep; the flesh of a young domestic sheep eaten as food

(1) the meat of **lamb**, (2) sacrifice a **lamb**

His dog is as gentle as a **lamb**.

ford

n. a shallow place in a river or stream where it is possible to walk or drive across

synonym: crossing, traversing, passing

(1) **ford** a river, (2) across a **ford**

The river was too deep to cross, so we had to find a **ford** downstream where the water was shallower.

motor

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

synonym: actuator, engine, machine

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

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

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.

fundamental

adj. forming an essential base or core from which everything else develops or is affected

synonym : basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights
Human behavior has **fundamental** characteristics.

intrinsically

adv. from the inherent nature or quality of something or arising from within

synonym : inherently, essentially, fundamentally

(1) **intrinsically** motivated, (2) **intrinsically** valuable
The kindness of strangers is **intrinsically** rewarding, even when no reward is expected.

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.

laser

n. a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

synonym : beam, bar, ray

(1) **laser** printer, (2) pulse **laser**

The company holds patents on core components of **laser** jet printers.

prism

n. a three-dimensional object with a triangular base and parallel sides, which refracts (= to bend something) light that passes through it, resulting in the separation and display of the colors of the visible spectrum; a metaphorical term used to describe a situation that reveals or illuminates various aspects or perspectives of a particular phenomenon or topic

synonym : crystal, polyhedron

(1) **prism** spectrometer, (2) a **prism** of viewpoints

The scientist used an optical **prism** to analyze the dispersion of light in the laboratory experiment.

nonsense

n. an idea, behavior, or something spoken or written that has no meaning or makes no sense or that is silly or unacceptable

synonym: ludicrousness, gabble, absurdity

(1) talk **nonsense**, (2) sheer **nonsense**

The parents spoke to their children in no- **nonsense** tones.

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.

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.

tunnel

n. an underground or underwater passage, typically for trains or cars

synonym: passageway, underground passage

(1) **tunnel** construction work, (2) **tunnel** disease

The workers had to dig through solid rock to create the vehicular **tunnel** allowing the cars to pass through the mountain.

fuzzy

adj. having a soft and indistinct outline or covered with fine, soft, and hairlike fibers

synonym: hazy, blurry, indistinct

(1) **fuzzy** logic, (2) **fuzzy** memory

The picture was **fuzzy** because it was taken with an old camera.

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.

gap

n. a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.

synonym: opening, lacuna, spread

(1) the **gap** between ideal and reality, (2) distance **gap**

Many people are working together to close the gender **gap**.

differ

v. to be not like someone or something in some way

synonym: vary, diverge, disagree

(1) **differ** from the majority, (2) **differ** according to species

The two products **differed** in their quality and price.

cliff

n. a steep rock face, especially one at the edge of the sea or a river

synonym: crag, escarpment, precipice

(1) a bold **cliff**, (2) **cliff** diving

He stood at the edge of the **cliff** and looked out to sea.

absorb

v. to take in a fluid or other substance gradually

synonym: consume, soak, ingest

(1) **absorb** energy, (2) **absorb** a shock

The sponge **absorbs** water well.

substance

n. the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug

synonym: essence, core, material

(1) an explosive **substance**, (2) **substance** abuse problem

The **substance** of the argument was well-presented.

reaction

n. a response that reveals a person's feelings or attitude;
(in chemistry) a process in which one or more
substances are changed into others

synonym : response, reply, answer

(1) chemical **reaction**, (2) trigger a **reaction**

There was a chemical **reaction** of the lime with the
groundwater.

basis

n. the most important facts, ideas, or events from which
something is developed; the way how things are
organized or arranged

synonym : foundation, base, ground

(1) on an equal **basis**, (2) **basis** for calculation

This evidence will form the **basis** for our discussion.

mechanism

n. a part of a machine, or a set of parts that performs a
task; a natural or established process that occurs during
a specific situation or reaction

synonym : means, method, system

(1) the **mechanism** for DNA replication, (2) defense
mechanism

He discovered unique **mechanisms** for photochemical
reactions.

plausible

adj. seeming reasonable or likely to be true, and therefore
convincing

synonym : probable, conceivable, credible

(1) **plausible** explanation, (2) a **plausible** liar

She could find no **plausible** explanation for its failure.

off-the-shelf

adj. of or relating to a product or solution that is readily
available and does not require customization or special
ordering; typically used in contrast to products that are
tailor-made or bespoke

synonym : ready-made, pre-made, pre-fabricated

(1) **off-the-shelf** software, (2) **off-the-shelf** solution

The event planners bought **off-the-shelf** decorations to save

time and money.

component

n. one of several parts that combines with others to form something bigger

synonym: element, part, factor

(1) key **component**, (2) spare **components** for cars

The researchers try to discover a common **component** in all types of successful organizations.

philosophy

n. the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

synonym: doctrine, attitude, creed

(1) **philosophy** of education, (2) western **philosophy**

Ethics is a branch of **philosophy**.

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.

magnificent

adj. extremely beautiful and impressive; grand or noble in thought or deed

synonym: splendid, brilliant, exquisite

(1) a **magnificent** plan, (2) a **magnificent** mountain

The **magnificent** scene of the glacier is awe-inspiring.

academic

adj. associated with schools, colleges, and universities, especially studying and thinking, not with practical skills

synonym: educational, scholarly, theoretical

(1) **academic** probation, (2) an **academic** discussion

An excellent historian must possess an **academic** mentality.

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.

coumarin

n. a fragrant organic chemical compound found in various plants, often used as a flavoring agent in food and beverages, which has a characteristic sweet, vanilla-like aroma and is also used in the production of perfumes and cosmetics

synonym : natural substance, plant extract, fragrant compound

(1) **coumarin** fragrance, (2) natural **coumarin**

The unique **coumarin** flavor is a favorite among gourmet chefs, especially in dessert recipes.

bet

v. to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something

synonym : stake, wager, gamble

(1) **bet** on a race, (2) **bet** my future

I **bet** that you know it.

derive

v. to obtain or receive something from a source

synonym : deduce, judge, infer

(1) **derive** a conclusion, (2) **derive** knowledge from books

These English words are **derived** from Latin.

classic

adj. judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type

synonym : definitive, traditional, typical

(1) a **classic** experiment, (2) Chinese **classic** literature

He displayed the **classic** symptoms of depression.

synthetic

adj. made by combining chemical substances as opposed to being naturally occurring

synonym : artificial, manufactured, fabricated

(1) **synthetic** fiber, (2) **synthetic** fertilizer

Synthetic diamonds play an essential role as machine tool blades.

aroma

n. a distinctive, usually pleasant smell, often of a specific food, plant, or object

synonym: fragrance, scent, smell

(1) **aroma** therapy, (2) coffee **aroma**

The **aroma** of freshly baked bread filled the kitchen.

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.

carcinogenic

adj. capable of causing cancer or promoting tumor growth; cancer-causing

synonym: cancer-causing, cancerous, malignant

(1) **carcinogenic** chemicals, (2) **carcinogenic** air pollution

Long-term exposure to **carcinogenic** materials can result in serious health problems.

shave

v. to remove body hair with a razor; to cut the price of something

synonym: trim, cut down, prune

(1) **shave** my head, (2) **shave** cheese

That supermarket tried to **shave** certain costs by saving electricity.

reckless

adj. marked by a lack of care about danger and the likely results of your actions

synonym: impetuous, irresponsible, thoughtless

(1) **reckless** driving, (2) in a **reckless** manner

Reckless youth makes rueful age.

calculation

n. the act or process of using numbers to judge an amount of something

synonym: analysis, computation, estimate

(1) make a **calculation**, (2) **calculation** of loss and gain

The error in the **calculation** was attributable to rounding.

spectrum

n. an ordered array of colors into which a light beam can be split

synonym: range, scale, spread

(1) a broad **spectrum** of opinion, (2) infrared **spectrum**

This device displayed the speech **spectrum** spectrographically.

crank

n. a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person

synonym: eccentric, oddball, kook

(1) **crank** handle, (2) **crank** caller

The fishing reel had a **crank** that made it easy to reel in the catch.

relate

v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

synonym: connect, link, associate

(1) **relate** a story, (2) **relate** a message

He tried to **relate** his experience to the group, but they couldn't understand.

unrelated

adj. having no connection; not belonging to the kinship

synonym: irrelevant, unconnected, independent

(1) statistically **unrelated**, (2) an **unrelated** position

Excuse me if my question is **unrelated** to the topic.

serendipity

n. the occurrence and development of events by chance in a happy or beneficial way; a fortunate accident or

discovery

synonym : luck, chance, fortune

(1) **serendipity** moment, (2) **serendipity** discovery

The discovery of penicillin was a result of **serendipity**.

chief

adj. most important or primary; (noun) a person who is in charge

synonym : essential, primary, leading

(1) **chief** accountant, (2) **chief** events of the year

Mining is a **chief** source of income for the country.

nifty

adj. attractive and stylish; clever and ingenious; neat and handy

synonym : cool, clever, ingenious

(1) **nifty** gadget, (2) **nifty** idea

The car has a **nifty** feature that alerts you when you're about to veer off the road.

yield

n. the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information

synonym : proceeds, harvest, output

(1) corn **yield**, (2) the **yield** on the bond

The company's stock gives a high **yield**.

crystalline

adj. resembling crystal in clarity, transparency, or brilliance; having a highly ordered and symmetrical molecular structure

synonym : crystallized, clear, transparent

(1) **crystalline** structure, (2) **crystalline** water

The geologist found a beautiful specimen of a **crystalline** mineral.

pentagon

n. a flat geometric shape with five straight sides and five angles; a building in Washington, D.C., that houses the U.S. Department of Defense and is the headquarters of the U.S. military

synonym: five-sided shape, quinquangle

(1) equilateral **pentagon**, (2) **pentagon** building

The shape of the building is a distinctive five-sided **pentagon**.

insert

v. to put something inside something else

synonym: introduce, add, embed

(1) **insert** coin, (2) **insert** a graphic

She **inserted** a new chapter into her manuscript.

purple

adj. of a color intermediate between red and blue

synonym: violet

(1) deep **purple**, (2) **purple** sweet potatoes

The plant has a stunning **purple** blossom.

fellow

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

synonym: buddy, mate, affiliate

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

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

resistant

adj. not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection

synonym: unsusceptible, immune, invulnerable

(1) penicillin- **resistant** bacteria, (2) **resistant** to persuasion

Insects in urban areas are becoming **resistant** to insecticides.

vial

n. a small glass container, especially one containing liquid medicine or perfume

synonym: container, bottle, flask

(1) glass **vials**, (2) insulin **vial**

This medication is sealed in a **vial**.

attitude

n. the way you think and feel about someone or something

synonym: mindset, perspective, philosophy

(1) **attitude** toward mistakes, (2) **attitude** control

She had the **attitude** that work was fun.

rational

adj. based on reason or logic; using good judgment and sound thinking

synonym: logical, reasonable, sensible

(1) **rational** decision, (2) the **rational** faculty

The **rational** approach to problem-solving involves weighing all options.

commerce

n. the activity of buying and selling things, especially on a large scale

synonym: trade, transaction, dealings

(1) interstate **commerce**, (2) the local chamber of **commerce**

This company has invested heavily in Internet **commerce**.

astrology

n. the study of the movements and relative positions of celestial bodies interpreted as having an influence on human affairs and the natural world

synonym: horoscope, star divination, celestial prediction

(1) **astrology** chart, (2) delve into **astrology**

He was fascinated by ancient **astrology** and spent hours studying horoscopes.

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.

physics

n. the science of matter and energy and their interactions

(1) nuclear **physics**, (2) laws of **physics**

He studied the **physics** of radiation.

self-taught

adj. having learned a skill or acquired knowledge without the help of a teacher or formal education

synonym : autodidactic, self-educated, self-learned

(1) **self-taught** skill, (2) **self-taught** person

The **self-taught** musician taught himself how to play the piano by listening to recordings.

Session 2: Spelling

1. b_t on a race
v. to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
2. tr_____te the emotion to a movement
v. to convert or change words into another language
3. na___n-state
n. a large organized community of people living in a particular country or region and having a particular culture
4. toxic ch_____als
adj. relating to or connected with chemistry;
5. o__r control
n. a distinctive or unpleasant smell; a scent or aroma that can be sensed through the sense of smell
6. v__t desert
adj. enormous in size, number, amount, or quantity
7. drink a to__t
n. slices of bread browned on both sides that have been put near a high heat; a drink in honor of or to the health of a person or even
8. cry_____ne water
adj. resembling crystal in clarity, transparency, or brilliance; having a highly ordered and symmetrical molecular structure
9. g__b an opportunity
v. to take hold of something or someone suddenly with a hand, especially in a violent way

ANSWERS: 1. bet, 2. translate, 3. nation, 4. chemical, 5. odor, 6. vast, 7. toast, 8. crystalline, 9. grab

10. sl__e a card across the table *v.* to move or cause to move smoothly along a surface without interruption
11. eve_____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
12. the big att_____on of the event *n.* a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity
13. co_____ce an opponent *v.* to persuade someone or make someone believe that something is true
14. trees with rough b__k *n.* the hard outer layer of a tree; a sound made by dogs or some other animals
15. b__d the man's hands *v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
16. na_____le device *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
17. an exc_____on of surprise *n.* a sudden outcry or shout, especially one expressing strong emotion
18. antibiotic-resistant g__m *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
19. an un_____ed position *adj.* having no connection; not belonging to the kinship
20. bluish-vi____t *adj.* between blue and purple in hue

ANSWERS: 10. slide, 11. eventually, 12. attraction, 13. convince, 14. bark, 15. bind, 16. nanoscale, 17. exclamation, 18. germ, 19. unrelated, 20. violet

21. sympathetic vi_____on *n.* a continuous quick and slight shaking movement
22. corn yi__d *n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
23. 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
24. an ac_____ic discussion *adj.* associated with schools, colleges, and universities, especially studying and thinking, not with practical skills
25. st_____h a story *v.* to make or be capable of making anything longer or broader without hurting or breaking
26. the ra_____al faculty *adj.* based on reason or logic; using good judgment and sound thinking
27. it is un_____ly that he would win the game *adj.* not probable or likely to happen
28. de___e knowledge from books *v.* to obtain or receive something from a source
29. vi_____e at a regular frequency *v.* to move or cause anything to move fast and in small increments from side to side
30. ro___t fuel *n.* a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon
31. insulin v__l *n.* a small glass container, especially one containing liquid medicine or perfume

ANSWERS: 21. vibration, 22. yield, 23. nanoscale, 24. academic, 25. stretch, 26. rational, 27. unlikely, 28. derive, 29. vibrate, 30. rocket, 31. vial

32. industry-sp____ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
33. feel a sl____t concern *adj.* very small in degree or amount
34. 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
35. luxury pe____ry *n.* the art or business of creating, blending, or selling perfumes; a place where perfume is made or sold
36. across a f__d *n.* a shallow place in a river or stream where it is possible to walk or drive across
37. ab____b a shock *v.* to take in a fluid or other substance gradually
38. heavy hy____en *n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
39. 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
40. bachelor's de____e *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
41. pe____te a cell *v.* to pass into or through something, often by overcoming resistance

ANSWERS: 32. specific, 33. slight, 34. compound, 35. perfumery, 36. ford, 37. absorb, 38. hydrogen, 39. discovery, 40. degree, 41. penetrate

42. 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
43. review of the lit_____re *n.* written works, such as novels, plays, poems, or short stories that are considered to have artistic or intellectual value
44. 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
45. cr_____re of habit *n.* a living being, especially an animal
46. b_t my future *v.* to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
47. put a gr_____ul expression *adj.* feeling or showing an appreciation of kindness; thankful
48. pla_____ity test *n.* the quality or state of seeming reasonable or believable; the likelihood or probability of something being true or valid
49. pu___e sweet potatoes *adj.* of a color intermediate between red and blue
50. having a strong di_____te *n.* a feeling that someone something is unpleasant or unacceptable
51. as_____gy chart *n.* the study of the movements and relative positions of celestial bodies interpreted as having an influence on human affairs and the natural world

ANSWERS: 42. receptor, 43. literature, 44. discovery, 45. creature, 46. bet, 47. grateful, 48. plausibility, 49. purple, 50. distaste, 51. astrology

52. a handsome sa___y *n.* a fixed amount of money that employees, especially those who work in an office, receive for doing their job, usually paid every month
53. pe_____e every day *n.* a liquid that emits and diffuses a pleasant smell, usually used on the skin
54. fo_____en love *adj.* not permitted or allowed by rules or laws
55. beam of el_____ons *n.* a tiny particle with the negative electrical charge
56. co_____ce her to go with us *v.* to persuade someone or make someone believe that something is true
57. Chinese cl_____c literature *adj.* judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type
58. car_____nic chemicals *adj.* capable of causing cancer or promoting tumor growth; cancer-causing
59. car_____nic air pollution *adj.* capable of causing cancer or promoting tumor growth; cancer-causing
60. ask a co_____se question *v.* to talk informally
61. high pu___y *n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
62. language wo_____ok *n.* a book used to practice and reinforce lessons or exercises, especially in a school or educational setting

ANSWERS: 52. salary, 53. perfume, 54. forbidden, 55. electron, 56. convince, 57. classic, 58. carcinogenic, 59. carcinogenic, 60. converse, 61. purity, 62. workbook

63. rag d__l *n.* a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive
64. 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
65. int_____lly motivated *adv.* from the inherent nature or quality of something or arising from within
66. sh__e my head *v.* to remove body hair with a razor; to cut the price of something
67. tu___l construction work *n.* an underground or underwater passage, typically for trains or cars
68. a broad sp_____um of opinion *n.* an ordered array of colors into which a light beam can be split
69. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
70. ser_____ty moment *n.* the occurrence and development of events by chance in a happy or beneficial way; a fortunate accident or discovery
71. int_____lly valuable *adv.* from the inherent nature or quality of something or arising from within

ANSWERS: 63. doll, 64. receptor, 65. intrinsically, 66. shave, 67. tunnel, 68. spectrum, 69. process, 70. serendipity, 71. intrinsically

72. joint rec_____on *n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
73. delve into as _____gy *n.* the study of the movements and relative positions of celestial bodies interpreted as having an influence on human affairs and the natural world
74. a un___e teacher *adj.* being the only one of its kind; unlike anything else
75. c__w a stick of gum *v.* to crush or grind something, especially food, with the teeth and then swallow it
76. manual la__r *n.* productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal
77. 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
78. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
79. business sp___e *n.* a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity
80. a precise def_____on *n.* a concise explanation of the meaning of a word, phrase, or symbol

ANSWERS: 72. recognition, 73. astrology, 74. unique, 75. chew, 76. labor, 77. reputation, 78. motor, 79. sphere, 80. definition

81. try hard to me_____ze the lines *v.* to learn something carefully so that you will remember it exactly
82. make my pre_____ons *n.* the act of predicting the future by reasoning; a statement made about the future
83. rem_____nt smile *adj.* making you remember someone or something; relating to the recall of personal interests
84. sub_____ve opinion *adj.* based on a personal perspective or feeling rather than an unbiased or objective view; influenced by personal opinions, interpretations, or feelings
85. an imp_____ve array of facts *adj.* arousing admiration due to size, quality, or skill
86. he_____n head bolt *n.* a six-sided polygon with six angles and six sides of equal length
87. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
88. sheer no_____se *n.* an idea, behavior, or something spoken or written that has no meaning or makes no sense or that is silly or unacceptable
89. off_____elf software *adj.* of or relating to a product or solution that is readily available and does not require customization or special ordering; typically used in contrast to products that are tailor-made or bespoke
90. cry_____ne structure *adj.* resembling crystal in clarity, transparency, or brilliance; having a highly ordered and symmetrical molecular structure

ANSWERS: 81. memorize, 82. prediction, 83. reminiscent, 84. subjective, 85. impressive, 86. hexagon, 87. absolutely, 88. nonsense, 89. off-the-shelf, 90. crystalline

91. former co_____ue *n.* one of a group of a coworker, especially in a profession or a business
92. stop drinking al_____l *n.* a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.
93. cl__f diving *n.* a steep rock face, especially one at the edge of the sea or a river
94. tracking de____e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
95. lavender fr_____ce *n.* a pleasant or sweet smell, especially one that is natural to a particular substance
96. a mag_____nt mountain *adj.* extremely beautiful and impressive; grand or noble in thought or deed
97. an_____dy against bacteria *n.* a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease
98. biomass f__l *n.* a substance that is typically burned to generate heat or energy
99. no____n of success *n.* a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts
100. fo_____en words *adj.* not permitted or allowed by rules or laws
101. re____e a story *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

ANSWERS: 91. colleague, 92. alcohol, 93. cliff, 94. device, 95. fragrance, 96. magnificent, 97. antibody, 98. fuel, 99. notion, 100. forbidden, 101. relate

102. ine_____nt management *adj.* lacking the ability or skill and not making the best use of time, money, energy, etc.
103. sub_____ve interpretation *adj.* based on a personal perspective or feeling rather than an unbiased or objective view; influenced by personal opinions, interpretations, or feelings
104. sy_____ic fertilizer *adj.* made by combining chemical substances as opposed to being naturally occurring
105. an aw__l error *adj.* causing fear, dread, or terror; very bad or unpleasant
106. infrared spe_____ope *n.* an optical instrument used for spectrographic analysis (= measurement of properties of light over a specific portion of the electromagnetic spectrum)
107. a g__m-free environment *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
108. ca_____te his credit score *v.* to judge or find out the amount or number of something by using mathematics
109. the abundance of l__h vegetation *adj.* produced or growing in extreme abundance, often in an attractive way; having strong sexual appeal
110. en_____us amount *adj.* extremely large or great
111. re__l bandits *v.* to force an attack or attacker to withdraw or retreat

ANSWERS: 102. inefficient, 103. subjective, 104. synthetic, 105. awful, 106. spectroscope, 107. germ, 108. calculate, 109. lush, 110. enormous, 111. repel

112. sl__e a glance *v.* to move or cause to move smoothly along a surface without interruption
113. ne____t to call *v.* to not give enough care or attention to something; to leave something undone
114. stress pr____n *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
115. an explosive su____ce *n.* the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug
116. de___e centigrade *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
117. a gr____l change *adj.* happening slowly over a long period of time or distance; not steep or abrupt
118. on an equal ba__s *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
119. re____le each other *v.* to look like or be similar to someone or something
120. mo____ar biology *adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)
121. sy____ic fiber *adj.* made by combining chemical substances as opposed to being naturally occurring

ANSWERS: 112. slide, 113. neglect, 114. protein, 115. substance, 116. degree, 117. gradual, 118. basis, 119. resemble, 120. molecular, 121. synthetic

122. slice of to__t *n.* slices of bread browned on both sides that have been put near a high heat; a drink in honor of or to the health of a person or even
123. cultural n__m *n.* something that is regarded as usual, typical, or standard
124. genic com_____ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
125. produce an_____dy *n.* a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease
126. sp_____ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
127. exc_____on mark *n.* a sudden outcry or shout, especially one expressing strong emotion
128. f__d a river *n.* a shallow place in a river or stream where it is possible to walk or drive across
129. san_____od beads *n.* a fragrant, yellowish wood obtained from various tropical trees, used for carving, building, and in the production of perfumes and aromatherapy oils
130. en_____us potential *adj.* extremely large or great
131. expansion of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

ANSWERS: 122. toast, 123. norm, 124. combination, 125. antibody, 126. specific, 127. exclamation, 128. ford, 129. sandalwood, 130. enormous, 131. universe

132. sk_____on hand *n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
133. begin to r_t *v.* to decay, or cause something to decay, naturally and gradually
134. coffee ar__a *n.* a distinctive, usually pleasant smell, often of a specific food, plant, or object
135. sp___e of influence *n.* a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity
136. popular lit_____re *n.* written works, such as novels, plays, poems, or short stories that are considered to have artistic or intellectual value
137. popular di_____te for corruption *n.* a feeling that someone something is unpleasant or unacceptable
138. ch__d transition *n.* a straight line connecting two points on a curve; a combination of three or more musical notes played or sung at the same time
139. nuclear ph_____s *n.* the science of matter and energy and their interactions
140. the steel sk_____on of a building *n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
141. Fourier spe_____ope *n.* an optical instrument used for spectrographic analysis (= measurement of properties of light over a specific portion of the electromagnetic spectrum)

ANSWERS: 132. skeleton, 133. rot, 134. aroma, 135. sphere, 136. literature, 137. distaste, 138. chord, 139. physics, 140. skeleton, 141. spectroscope

142. san_____od oil *n.* a fragrant, yellowish wood obtained from various tropical trees, used for carving, building, and in the production of perfumes and aromatherapy oils
143. an in___e scheme *adj.* extremely stupid, crazy, or dangerous; mentally ill
144. statistically un_____ed *adj.* having no connection; not belonging to the kinship
145. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
146. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
147. a gr_____l process *adj.* happening slowly over a long period of time or distance; not steep or abrupt
148. de___e a conclusion *v.* to obtain or receive something from a source
149. aircraft wr___t *n.* a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal
150. theoretical ph_____st *n.* a scientist who specializes in the field of physics
151. a subtle pe_____e *n.* a liquid that emits and diffuses a pleasant smell, usually used on the skin
152. att_____ve men *adj.* immensely appealing in look or sound; having characteristics or qualities that make something appealing and valuable
153. collaborate with co_____ues *n.* one of a group of a coworker, especially in a profession or a business

ANSWERS: 142. sandalwood, 143. insane, 144. unrelated, 145. laboratory, 146. experiment, 147. gradual, 148. derive, 149. wright, 150. physicist, 151. perfume, 152. attractive, 153. colleague

154. ke____rd instruments *n.* device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work
155. b__d as a family *n.* a close emotional connection between two or more people; a certificate of debt that a government or corporation issues to raise money
156. his conclusion was ob____s *adj.* easy to see, discover or understand
157. high fr____cy *n.* an ordered array of colors into which a light beam can be split
158. ab____b energy *v.* to take in a fluid or other substance gradually
159. re____nt to persuasion *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
160. his vocal ch__ds *n.* a straight line connecting two points on a curve; a combination of three or more musical notes played or sung at the same time
161. sl____t increase *adj.* very small in degree or amount
162. French pe____ry *n.* the art or business of creating, blending, or selling perfumes; a place where perfume is made or sold
163. suc____ve failures *adj.* following one after another in a series or sequence; happening or occurring in continuous or consecutive order; consecutive or sequential in nature
164. eve____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on

ANSWERS: 154. keyboard, 155. bond, 156. obvious, 157. frequency, 158. absorb, 159. resistant, 160. chord, 161. slight, 162. perfumery, 163. successive, 164. eventually

165. su_____ce abuse problem *n.* the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug
166. pe_____on building *n.* a flat geometric shape with five straight sides and five angles; a building in Washington, D.C., that houses the U.S. Department of Defense and is the headquarters of the U.S. military
167. et_____l plant *n.* a colorless, flammable alcohol that is produced by the fermentation of sugars and is commonly used as a fuel, solvent, and in the manufacture of alcoholic beverages
168. b_b a quick curtsy *v.* to move up and down quickly and repeatedly, often in a short, jerky motion; to cut, trim, or shorten hair, especially by repeatedly snipping with scissors; (noun) a hairstyle in which the hair is cut short and even all around, usually above the shoulders
169. sleep pro_____ly *adv.* to a great or complete degree; deeply
170. glass v__ls *n.* a small glass container, especially one containing liquid medicine or perfume
171. ine_____nt use *adj.* lacking the ability or skill and not making the best use of time, money, energy, etc.
172. the g_p between ideal and reality *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.

ANSWERS: 165. substance, 166. pentagon, 167. ethanol, 168. bob, 169. profoundly, 170. vial, 171. inefficient, 172. gap

173. su_____zes the main ideas *v.* to give a brief statement of the most important facts or ideas about something
174. flow of el_____ons *n.* a tiny particle with the negative electrical charge
175. n__m of action *n.* something that is regarded as usual, typical, or standard
176. co_____in fragrance *n.* a fragrant organic chemical compound found in various plants, often used as a flavoring agent in food and beverages, which has a characteristic sweet, vanilla-like aroma and is also used in the production of perfumes and cosmetics
177. pr__m spectrometer *n.* a three-dimensional object with a triangular base and parallel sides, which refracts (= to bend something) light that passes through it, resulting in the separation and display of the colors of the visible spectrum; a metaphorical term used to describe a situation that reveals or illuminates various aspects or perspectives of a particular phenomenon or topic
178. lack of digestive en_____es *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
179. a gr_____ul breeze *adj.* feeling or showing an appreciation of kindness; thankful
180. r_t with age *v.* to decay, or cause something to decay, naturally and gradually

ANSWERS: 173. summarize, 174. electron, 175. norm, 176. coumarin, 177. prism, 178. enzyme, 179. grateful, 180. rot

181. equilateral pe_____on *n.* a flat geometric shape with five straight sides and five angles; a building in Washington, D.C., that houses the U.S. Department of Defense and is the headquarters of the U.S. military
182. re_____ve smell *adj.* causing strong dislike or disgust; offensive, unpleasant, or grotesque; resisting or rejecting contact or influence
183. 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
184. penicillin-re_____nt bacteria *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
185. ni__y gadget *adj.* attractive and stylish; clever and ingenious; neat and handy
186. sel_____ht person *adj.* having learned a skill or acquired knowledge without the help of a teacher or formal education
187. fr_____cy band *n.* an ordered array of colors into which a light beam can be split
188. be__h board *n.* a long, flat surface, often elevated and supported by legs, used for sitting, working, or displaying objects; persons who administer justice
189. in___t a graphic *v.* to put something inside something else
190. ca_____te the distance *v.* to judge or find out the amount or number of something by using mathematics

ANSWERS: 181. pentagon, 182. repulsive, 183. atom, 184. resistant, 185. nifty, 186. self-taught, 187. frequency, 188. bench, 189. insert, 190. calculate

191. mo_____ar structure *adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)
192. b__k at the moon *n.* the hard outer layer of a tree; a sound made by dogs or some other animals
193. oi_____nt for eczema *n.* a medicated salve or paste applied to the skin for treatment or relief of a condition
194. the meat of l__b *n.* a young sheep; the flesh of a young domestic sheep eaten as food
195. anthropology lab_____ry *n.* a workplace for doing scientific research or teaching science; a lab
196. cr__y about cars and racing *adj.* stupid or not sensible; very angry
197. 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
198. chemical re_____on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
199. a pr__m of viewpoints *n.* a three-dimensional object with a triangular base and parallel sides, which refracts (= to bend something) light that passes through it, resulting in the separation and display of the colors of the visible spectrum; a metaphorical term used to describe a situation that reveals or illuminates various aspects or perspectives of a particular phenomenon or topic

ANSWERS: 191. molecular, 192. bark, 193. ointment, 194. lamb, 195. laboratory, 196. crazy, 197. compound, 198. reaction, 199. prism

200. abs_____ly against *adv.* without restriction or limitation; completely or utterly
201. rem_____nt of ancient times *adj.* making you remember someone or something; relating to the recall of personal interests
202. the pe_____ic blooming of the cherry-blossom *adj.* happening at regular intervals over a while
203. vague no___n *n.* a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts
204. sel_____ht skill *adj.* having learned a skill or acquired knowledge without the help of a teacher or formal education
205. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
206. rep_____on risk *n.* the general opinion that people have about someone or something, especially when this is based on their previous experiences or behaviors
207. a bold cl___f *n.* a steep rock face, especially one at the edge of the sea or a river
208. rec_____on award *n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
209. wo_____ok exercise *n.* a book used to practice and reinforce lessons or exercises, especially in a school or educational setting

ANSWERS: 200. absolutely, 201. reminiscent, 202. periodic, 203. notion, 204. self-taught, 205. experiment, 206. reputation, 207. cliff, 208. recognition, 209. workbook

210. ex_____e in anger *v.* to burst or break open violently and noisily; to cause something to burst or break open
211. cr__k caller *n.* a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person
212. ch__f accountant *adj.* most important or primary; (noun) a person who is in charge
213. simplified sc_____ic *adj.* relating to or in the form of a scheme or diagram; showing the structure or organization of something
214. pl_____le explanation *adj.* seeming reasonable or likely to be true, and therefore convincing
215. imp_____ve performances *adj.* arousing admiration due to size, quality, or skill
216. me_____ze musical scores *v.* to learn something carefully so that you will remember it exactly
217. ex_____e in popularity *v.* to burst or break open violently and noisily; to cause something to burst or break open
218. hy_____en gas *n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
219. protection against vi_____on *n.* a continuous quick and slight shaking movement
220. junior fe___w *adj.* someone who has the same job or interests as you, or is in the same class, profession, or situation as you

ANSWERS: 210. explode, 211. crank, 212. chief, 213. schematic, 214. plausible, 215. impressive, 216. memorize, 217. explode, 218. hydrogen, 219. vibration, 220. fellow

221. go in___e with pleasure *adj.* extremely stupid, crazy, or dangerous; mentally ill
222. the def_____on of a word *n.* a concise explanation of the meaning of a word, phrase, or symbol
223. gloomy pre_____ons *n.* the act of predicting the future by reasoning; a statement made about the future
224. sa___y after taxes *n.* a fixed amount of money that employees, especially those who work in an office, receive for doing their job, usually paid every month
225. ro___t attack against the enemy *n.* a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon
226. st_____h along the coast *v.* to make or be capable of making anything longer or broader without hurting or breaking
227. his research area of
con_____ion *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
228. tr_____te a document into English *v.* to convert or change words into another language
229. vo__a shot *n.* a distilled alcoholic beverage made from fermented grains or potatoes, typically with high alcohol content and little or no added flavoring
230. sc_____ic model *adj.* relating to or in the form of a scheme or diagram; showing the structure or organization of something

ANSWERS: 221. insane, 222. definition, 223. prediction, 224. salary, 225. rocket, 226. stretch, 227. concentration, 228. translate, 229. vodka, 230. schematic

231. a we__d dress *adj.* extraordinary, unexpected, or difficult to explain
232. 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
233. a seafaring na___n *n.* a large organized community of people living in a particular country or region and having a particular culture
234. w__t of steam *v.* to be carried along, as if by a current of air or water; to float or drift gently; (noun) a gentle movement or flow of air, usually carrying a scent, sound, or sensation with it
235. v__t majority *adj.* enormous in size, number, amount, or quantity
236. un_____ly event *adj.* not probable or likely to happen
237. syn_____ze molecules *v.* to combine a substance to make a more complex product or compound
238. su_____ze text *v.* to give a brief statement of the most important facts or ideas about something
239. the degree of pu___y *n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
240. ob_____s reasons *adj.* easy to see, discover or understand
241. pe_____ic payments *adj.* happening at regular intervals over a while

ANSWERS: 231. weird, 232. atom, 233. nation, 234. waft, 235. vast, 236. unlikely, 237. synthesize, 238. summarize, 239. purity, 240. obvious, 241. periodic

242. the state of being we__d *adj.* extraordinary, unexpected, or difficult to explain
243. he____n pattern *n.* a six-sided polygon with six angles and six sides of equal length
244. spare co_____nts for cars *n.* one of several parts that combines with others to form something bigger
245. make a cal_____on *n.* the act or process of using numbers to judge an amount of something
246. ser_____ty discovery *n.* the occurrence and development of events by chance in a happy or beneficial way; a fortunate accident or discovery
247. a pl_____le liar *adj.* seeming reasonable or likely to be true, and therefore convincing
248. l__h and fertile land *adj.* produced or growing in extreme abundance, often in an attractive way; having strong sexual appeal
249. vi___t quartz *adj.* between blue and purple in hue
250. plastic d__l *n.* a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive
251. suc_____ve attempts *adj.* following one after another in a series or sequence; happening or occurring in continuous or consecutive order; consecutive or sequential in nature
252. laws of ph_____s *n.* the science of matter and energy and their interactions

ANSWERS: 242. weird, 243. hexagon, 244. component, 245. calculation, 246. serendipity, 247. plausible, 248. lush, 249. violet, 250. doll, 251. successive, 252. physics

253. pro_____ly insightful *adv.* to a great or complete degree; deeply
254. g__b an audience *v.* to take hold of something or someone suddenly with a hand, especially in a violent way
255. smokeless f__l *n.* a substance that is typically burned to generate heat or energy
256. su___r mine *n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications
257. ne_____t ethical issues *v.* to not give enough care or attention to something; to leave something undone
258. re_____ss driving *adj.* marked by a lack of care about danger and the likely results of your actions
259. in___t coin *v.* to put something inside something else
260. do aw__l damage *adj.* causing fear, dread, or terror; very bad or unpleasant
261. d_m-building program *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
262. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
263. 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

ANSWERS: 253. profoundly, 254. grab, 255. fuel, 256. sulfur, 257. neglect, 258. reckless, 259. insert, 260. awful, 261. dam, 262. fundamental, 263. carbon

264. talented ph_____st *n.* a scientist who specializes in the field of physics
265. I__d achievements *v.* to praise or applaud enthusiastically; to extol or commend highly; to express approval or admiration for someone or something
266. the local chamber of co_____ce *n.* the activity of buying and selling things, especially on a large scale
267. re__l bad luck *v.* to force an attack or attacker to withdraw or retreat
268. a mag_____nt plan *adj.* extremely beautiful and impressive; grand or noble in thought or deed
269. b__d old letters into a bundle *v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
270. numeric ke_____rd *n.* device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work
271. distance g_p *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
272. att_____ve opportunity *adj.* immensely appealing in look or sound; having characteristics or qualities that make something appealing and valuable
273. ar__a therapy *n.* a distinctive, usually pleasant smell, often of a specific food, plant, or object
274. the ch_____ry of soil *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions

ANSWERS: 264. physicist, 265. laud, 266. commerce, 267. repel, 268. magnificent, 269. bind, 270. keyboard, 271. gap, 272. attractive, 273. aroma, 274. chemistry

275. off_____elf solution *adj.* of or relating to a product or solution that is readily available and does not require customization or special ordering; typically used in contrast to products that are tailor-made or bespoke
276. co_____se with an acquaintance *v.* to talk informally
277. pa_____se island *n.* a place or state of perfect happiness; a heaven on earth
278. d_m collapsing *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
279. infrared sp_____um *n.* an ordered array of colors into which a light beam can be split
280. flavored vo__a *n.* a distilled alcoholic beverage made from fermented grains or potatoes, typically with high alcohol content and little or no added flavoring
281. ut_____y changed *adv.* completely or absolutely
282. l__d his effort *v.* to praise or applaud enthusiastically; to extol or commend highly; to express approval or admiration for someone or something
283. w__t in the breeze *v.* to be carried along, as if by a current of air or water; to float or drift gently; (noun) a gentle movement or flow of air, usually carrying a scent, sound, or sensation with it
284. fu__y logic *adj.* having a soft and indistinct outline or covered with fine, soft, and hairlike fibers

ANSWERS: 275. off-the-shelf, 276. converse, 277. paradise, 278. dam, 279. spectrum, 280. vodka, 281. utterly, 282. laud, 283. waft, 284. fuzzy

285. et____l production *n.* a colorless, flammable alcohol that is produced by the fermentation of sugars and is commonly used as a fuel, solvent, and in the manufacture of alcoholic beverages
286. b_b on the surface of the water *v.* to move up and down quickly and repeatedly, often in a short, jerky motion; to cut, trim, or shorten hair, especially by repeatedly snipping with scissors; (noun) a hairstyle in which the hair is cut short and even all around, usually above the shoulders
287. at____de toward mistakes *n.* the way you think and feel about someone or something
288. recover spo_____sly after five days *adv.* in a way that is natural, not planned or forced, and often sudden
289. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
290. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
291. di____r according to species *v.* to be not like someone or something in some way
292. western phi_____hy *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
293. a car-wr____t *n.* a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal

ANSWERS: 285. ethanol, 286. bob, 287. attitude, 288. spontaneously, 289. fundamental, 290. biology, 291. differ, 292. philosophy, 293. wright

294. con_____ion of armaments *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
295. take ob_____on *n.* a reason or statement expressing disapproval or dissent
296. ac_____ic probation *adj.* associated with schools, colleges, and universities, especially studying and thinking, not with practical skills
297. pa_____se for criminals *n.* a place or state of perfect happiness; a heaven on earth
298. di____r from the majority *v.* to be not like someone or something in some way
299. DC mo____r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
300. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
301. su____r dioxide *n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications
302. be____h conference *n.* a long, flat surface, often elevated and supported by legs, used for sitting, working, or displaying objects; persons who administer justice

ANSWERS: 294. concentration, 295. objection, 296. academic, 297. paradise, 298. differ, 299. motor, 300. process, 301. sulfur, 302. bench

303. pulse la__r *n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
304. pleasant o__r *n.* a distinctive or unpleasant smell; a scent or aroma that can be sensed through the sense of smell
305. a pr____nd book *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
306. sh__e cheese *v.* to remove body hair with a razor; to cut the price of something
307. 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
308. trigger a re____on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
309. ch__f events of the year *adj.* most important or primary; (noun) a person who is in charge
310. artificial cr____re *n.* a living being, especially an animal
311. 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
312. ba__s for calculation *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

ANSWERS: 303. laser, 304. odor, 305. profound, 306. shave, 307. carbon, 308. reaction, 309. chief, 310. creature, 311. universe, 312. basis

313. fu__y memory *adj.* having a soft and indistinct outline or covered with fine, soft, and hairlike fibers
314. eye oi_____nt *n.* a medicated salve or paste applied to the skin for treatment or relief of a condition
315. global b__d market *n.* a close emotional connection between two or more people; a certificate of debt that a government or corporation issues to raise money
316. natural co_____in *n.* a fragrant organic chemical compound found in various plants, often used as a flavoring agent in food and beverages, which has a characteristic sweet, vanilla-like aroma and is also used in the production of perfumes and cosmetics
317. ro_____y speaking *adv.* approximately but not precisely; with a violent manner
318. ro_____y explain my idea *adv.* approximately but not precisely; with a violent manner
319. syn_____ze information *v.* to combine a substance to make a more complex product or compound
320. sacrifice a l__b *n.* a young sheep; the flesh of a young domestic sheep eaten as food
321. au_____e words *adj.* able to be heard; loud enough to be heard clearly
322. electronic de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

ANSWERS: 313. fuzzy, 314. ointment, 315. bond, 316. coumarin, 317. roughly, 318. roughly, 319. synthesize, 320. lamb, 321. audible, 322. device

323. defense me_____sm *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
324. in a re_____ss manner *adj.* marked by a lack of care about danger and the likely results of your actions
325. lacking pla_____ity *n.* the quality or state of seeming reasonable or believable; the likelihood or probability of something being true or valid
326. vi_____e with anger *v.* to move or cause anything to move fast and in small increments from side to side
327. talk no_____se *n.* an idea, behavior, or something spoken or written that has no meaning or makes no sense or that is silly or unacceptable
328. com_____on number *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
329. nice fe___w *adj.* someone who has the same job or interests as you, or is in the same class, profession, or situation as you
330. popular tourist att_____on *n.* a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity
331. a cl_____c experiment *adj.* judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type

ANSWERS: 323. mechanism, 324. reckless, 325. plausibility, 326. vibrate, 327. nonsense, 328. combination, 329. fellow, 330. attraction, 331. classic

332. a cr__y scheme *adj.* stupid or not sensible; very angry
333. c__w each word *v.* to crush or grind something, especially food, with the teeth and then swallow it
334. seasonal la__r *n.* productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal
335. re___e a message *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
336. ra____al decision *adj.* based on reason or logic; using good judgment and sound thinking
337. au____e sound *adj.* able to be heard; loud enough to be heard clearly
338. the pr____nd depths of the sea *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
339. a ch____al compound *adj.* relating to or connected with chemistry;
340. la__r printer *n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
341. interstate co____ce *n.* the activity of buying and selling things, especially on a large scale

ANSWERS: 332. crazy, 333. chew, 334. labor, 335. relate, 336. rational, 337. audible, 338. profound, 339. chemical, 340. laser, 341. commerce

342. mo_____le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
343. re_____le her mother *v.* to look like or be similar to someone or something
344. ob_____on to a rule *n.* a reason or statement expressing disapproval or dissent
345. tu____l disease *n.* an underground or underwater passage, typically for trains or cars
346. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
347. un_____e design *adj.* being the only one of its kind; unlike anything else
348. at_____de control *n.* the way you think and feel about someone or something
349. en_____e reaction *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
350. diluted al_____l *n.* a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.
351. re_____ve act *adj.* causing strong dislike or disgust; offensive, unpleasant, or grotesque; resisting or rejecting contact or influence
352. fr_____ce oil *n.* a pleasant or sweet smell, especially one that is natural to a particular substance
353. cr__k handle *n.* a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person

ANSWERS: 342. molecule, 343. resemble, 344. objection, 345. tunnel, 346. biology, 347. unique, 348. attitude, 349. enzyme, 350. alcohol, 351. repulsive, 352. fragrance, 353. crank

354. ni__y idea *adj.* attractive and stylish; clever and ingenious; neat and handy
355. pr_____n synthesis *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
356. the me_____sm for DNA replication *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
357. deep pu___e *adj.* of a color intermediate between red and blue
358. the words of a pre_____or *n.* a person who held a position or office before the current holder
359. this shift occurs spo_____sly *adv.* in a way that is natural, not planned or forced, and often sudden
360. phi_____hy of education *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
361. pe_____te quickly into the skin *v.* to pass into or through something, often by overcoming resistance
362. cal_____on of loss and gain *n.* the act or process of using numbers to judge an amount of something
363. sp__t a bill *v.* to divide, or to make something divide into two or more parts, especially along a particular line
364. sp__t a reward equally *v.* to divide, or to make something divide into two or more parts, especially along a particular line

ANSWERS: 354. nifty, 355. protein, 356. mechanism, 357. purple, 358. predecessor, 359. spontaneously, 360. philosophy, 361. penetrate, 362. calculation, 363. split, 364. split

365. professor of ch_____ry *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
366. small mo_____les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
367. ut_____y ignorant *adv.* completely or absolutely
368. pre _____or model *n.* a person who held a position or office before the current holder
369. the yi__d on the bond *n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
370. key co_____nt *n.* one of several parts that combines with others to form something bigger

ANSWERS: 365. chemistry, 366. molecule, 367. utterly, 368. predecessor, 369. yield, 370. component

Session 3: Fill in the Blanks

1. The brothers _____ each other in the hobby.
v. to look like or be similar to someone or something
2. The corporation _____ dominated the entire tobacco business.
adv. finally, particularly after a long time or a lot of struggle, complications, and so on
3. The _____ of his idea came from watching birds flying in flocks.
n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
4. The novel affected her _____ causing her to question her beliefs and values.
adv. to a great or complete degree; deeply
5. This pharmaceutical company is developing _____ drugs with fewer side effects.
n. a substance produced in the blood that attacks and kills harmful bacteria, viruses, etc., to fight disease
6. He discovered unique _____ for photochemical reactions.
n. a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
7. 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

ANSWERS: 1. resemble, 2. eventually, 3. germ, 4. profoundly, 5. antibody, 6. mechanisms, 7. attractive

8. 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
9. Companies often _____ their shares to lower the stock price and encourage investors to buy.
- v.* to divide, or to make something divide into two or more parts, especially along a particular line
10. This area has an environment of _____ greenery and water courses.
- adj.* produced or growing in extreme abundance, often in an attractive way; having strong sexual appeal
11. She could find no _____ explanation for its failure.
- adj.* seeming reasonable or likely to be true, and therefore convincing
12. He sniffed the _____ voluptuously.
- n.* a liquid that emits and diffuses a pleasant smell, usually used on the skin
13. 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
14. The researchers try to discover a common _____ in all types of successful organizations.
- n.* one of several parts that combines with others to form something bigger
15. The parents spoke to their children in no-_____ tones.
- n.* an idea, behavior, or something spoken or written that has no meaning or makes no sense or that is silly or unacceptable

ANSWERS: 8. compound, 9. split, 10. lush, 11. plausible, 12. perfume, 13. receptors, 14. component, 15. nonsense

16. We made a _____ with everyone.

n. slices of bread browned on both sides that have been put near a high heat; a drink in honor of or to the health of a person or even

17. He tried to _____ his experience to the group, but they couldn't understand.

v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

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

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

19. Long-term exposure to _____ materials can result in serious health problems.

adj. capable of causing cancer or promoting tumor growth; cancer-causing

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

adj. relating to or connected with chemistry;

21. The break in the ____ threatened the valley.

n. a wall constructed over a river to block the flow of water, mainly used to generate energy

22. Each chapter _____ the most critical issues.

v. to give a brief statement of the most important facts or ideas about something

23. _____ youth makes rueful age.

adj. marked by a lack of care about danger and the likely results of your actions

ANSWERS: 16. toast, 17. relate, 18. protein, 19. carcinogenic, 20. chemical, 21. dam, 22. summarizes, 23. Reckless

24. Shakespeare's output of poetry was _____.

adj. extremely large or great

25. In junior high school, we had to dissect a frog in _____ class.

n. the scientific study of life and the natural processes of living things

26. The scientist conducted a study that provided _____ details about the species' behavior.

adj. clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

27. I regretted making an _____ mistake in my final exam.

adj. causing fear, dread, or terror; very bad or unpleasant

28. The _____ emissions from the nearby factory caused the rotten egg smell.

n. (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications

29. The _____ of the roses filled the air and brought a smile to my face.

n. a pleasant or sweet smell, especially one that is natural to a particular substance

30. The painting is _____ and there is no other like it.

adj. being the only one of its kind; unlike anything else

31. Mining is a _____ source of income for the country.

adj. most important or primary; (noun) a person who is in charge

ANSWERS: 24. enormous, 25. biology, 26. specific, 27. awful, 28. sulfur, 29. fragrance, 30. unique, 31. chief

32. The picture was _____ because it was taken with an old camera.
adj. having a soft and indistinct outline or covered with fine, soft, and hairlike fibers
33. That supermarket tried to _____ certain costs by saving electricity.
v. to remove body hair with a razor; to cut the price of something
34. 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
35. Parallel lines are, by _____ lines on the same plane that never cross.
n. a concise explanation of the meaning of a word, phrase, or symbol
36. She received her _____ in psychology from the university.
n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
37. Human behavior has _____ characteristics.
adj. forming an essential base or core from which everything else develops or is affected
38. He removed the _____ from the tree.
n. the hard outer layer of a tree; a sound made by dogs or some other animals
39. _____ diamonds play an essential role as machine tool blades.
adj. made by combining chemical substances as opposed to being naturally occurring
40. The electrical cord _____ combusted.
adv. in a way that is natural, not planned or forced, and often sudden

ANSWERS: 32. fuzzy, 33. shave, 34. discovery, 35. definition, 36. degree, 37. fundamental, 38. bark, 39. Synthetic, 40. spontaneously

41. An excellent historian must possess an _____ mentality.

adj. associated with schools, colleges, and universities, especially studying and thinking, not with practical skills

42. The scientist used an optical _____ to analyze the dispersion of light in the laboratory experiment.

n. a three-dimensional object with a triangular base and parallel sides, which refracts (= to bend something) light that passes through it, resulting in the separation and display of the colors of the visible spectrum; a metaphorical term used to describe a situation that reveals or illuminates various aspects or perspectives of a particular phenomenon or topic

43. The fishing reel had a _____ that made it easy to reel in the catch.

n. a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person

44. The kindness of strangers is _____ rewarding, even when no reward is expected.

adv. from the inherent nature or quality of something or arising from within

45. There were several _____ raised during the meeting.

n. a reason or statement expressing disapproval or dissent

46. The oscillator hunts for the correct _____.

n. an ordered array of colors into which a light beam can be split

47. The passage of the bill is _____.

adj. not probable or likely to happen

48. I am considering what I should do to _____ him.

v. to persuade someone or make someone believe that something is true

ANSWERS: 41. academic, 42. prism, 43. crank, 44. intrinsically, 45. objections, 46. frequency, 47. unlikely, 48. convince

49. 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
50. The _____ of the earth is divided into several layers including the crust, mantle, and core.
n. a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity
51. This medication is sealed in a _____.
n. a small glass container, especially one containing liquid medicine or perfume
52. The team won their seventh _____ game, maintaining their winning streak.
adj. following one after another in a series or sequence; happening or occurring in continuous or consecutive order; consecutive or sequential in nature
53. The _____ of the Romantic period is known for its emotion and imagination.
n. written works, such as novels, plays, poems, or short stories that are considered to have artistic or intellectual value
54. The antique _____ was worth thousands of dollars.
n. a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive
55. The company's rules _____ the employee's working hours.
v. to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

ANSWERS: 49. nanoscale, 50. sphere, 51. vial, 52. successive, 53. literature, 54. doll, 55. bind

56. If necessary, you can _____ the front seats forward.

v. to move or cause to move smoothly along a surface without interruption

57. What are your annual _____ expectations?

n. a fixed amount of money that employees, especially those who work in an office, receive for doing their job, usually paid every month

58. 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

59. An _____ sigh from the back of the room broke the silence.

adj. able to be heard; loud enough to be heard clearly

60. The perfume boutique is considered a high-end _____ offering a wide range of luxury fragrances.

n. the art or business of creating, blending, or selling perfumes; a place where perfume is made or sold

61. The _____ scarcity most severely impacted the manufacturing sector

n. a substance that is typically burned to generate heat or energy

62. She enjoyed the opportunity to _____ with a person who spoke her language.

v. to talk informally

63. He couldn't _____ the actual value of the artwork.

v. to judge or find out the amount or number of something by using mathematics

ANSWERS: 56. slide, 57. salary, 58. reputation, 59. audible, 60. perfumery, 61. fuel, 62. converse, 63. calculate

64. 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
65. He is the kind of _____ who only works for his success.
adj. someone who has the same job or interests as you, or is in the same class, profession, or situation as you
66. The politician's rhetoric was so _____ that many people refused to vote for him.
adj. causing strong dislike or disgust; offensive, unpleasant, or grotesque; resisting or rejecting contact or influence
67. The _____ and the oxygen react and then form water.
n. the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
68. The _____ to the safe was a secret.
n. a collection of things that have been combined; an assemblage of separate parts or qualities
69. The _____ scene of the glacier is awe-inspiring.
adj. extremely beautiful and impressive; grand or noble in thought or deed
70. We are _____ opposed to any form of terrorism.
adv. completely or absolutely
71. Many people are working together to close the gender _____.
n. a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.

ANSWERS: 64. device, 65. fellow, 66. repulsive, 67. hydrogen, 68. combination, 69. magnificent, 70. utterly, 71. gap

72. The event planners bought _____ decorations to save time and money.

adj. of or relating to a product or solution that is readily available and does not require customization or special ordering; typically used in contrast to products that are tailor-made or bespoke

73. Astronomers are examining whether the _____ signals emanating from this star are artificial.

adj. happening at regular intervals over a while

74. The engineer used a _____ diagram to plan out the wiring for the new building.

adj. relating to or in the form of a scheme or diagram; showing the structure or organization of something

75. The car has a _____ feature that alerts you when you're about to veer off the road.

adj. attractive and stylish; clever and ingenious; neat and handy

76. He is familiar with _____ and biology.

n. the branch of the natural sciences dealing with the composition of substances and their properties and reactions

77. There is a clear association between _____ consumption and cognitive decline.

n. a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.

78. Insects in urban areas are becoming _____ to insecticides.

adj. not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection

ANSWERS: 72. off-the-shelf, 73. periodic, 74. schematic, 75. nifty, 76. chemistry, 77. alcohol, 78. resistant

79. Ethics is a branch of _____.
- n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
80. He was fascinated by ancient _____ and spent hours studying horoscopes.
- n.* the study of the movements and relative positions of celestial bodies interpreted as having an influence on human affairs and the natural world
81. I ordered a _____ tonic at the bar.
- n.* a distilled alcoholic beverage made from fermented grains or potatoes, typically with high alcohol content and little or no added flavoring
82. The room was filled with a calming _____ aroma from the scented candles.
- n.* a fragrant, yellowish wood obtained from various tropical trees, used for carving, building, and in the production of perfumes and aromatherapy oils
83. I need to apply the _____ to my burn to help it heal faster.
- n.* a medicated salve or paste applied to the skin for treatment or relief of a condition
84. Everyone in the room began to _____ the speaker's inspiring words.
- v.* to praise or applaud enthusiastically; to extol or commend highly; to express approval or admiration for someone or something
85. _____ weight is the sum of all the atoms.
- adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)
86. The deep sea _____ was unlike anything the scientists had ever seen before.
- n.* a living being, especially an animal

ANSWERS: 79. philosophy, 80. astrology, 81. vodka, 82. sandalwood, 83. ointment, 84. laud, 85. Molecular, 86. creature

87. The pianist played a _____ that filled the room with a rich, harmonious sound.
- n.* a straight line connecting two points on a curve; a combination of three or more musical notes played or sung at the same time
88. A deficiency in the _____ can lead to a medical condition.
- n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
89. The _____ for applying for a visa can be lengthy and complicated.
- n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
90. I am _____ opposed to his idea because of morality.
- adv.* without restriction or limitation; completely or utterly
91. My dog loves to _____ on bones.
- v.* to crush or grind something, especially food, with the teeth and then swallow it
92. Hawaii is often referred to as an everlasting summer _____.
- n.* a place or state of perfect happiness; a heaven on earth
93. The _____ of freshly baked bread filled the kitchen.
- n.* a distinctive, usually pleasant smell, often of a specific food, plant, or object
94. 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

ANSWERS: 87. chord, 88. enzyme, 89. process, 90. absolutely, 91. chew, 92. paradise, 93. aroma, 94. universe

95. Animal protection groups call for an end to animal testing in a _____.
- n.* a workplace for doing scientific research or teaching science; a lab
96. The _____ musician taught himself how to play the piano by listening to recordings.
- adj.* having learned a skill or acquired knowledge without the help of a teacher or formal education
97. Einstein was an outstanding and famous _____ of the 20th century.
- n.* a scientist who specializes in the field of physics
98. My mother's illness had a _____ impact on us all.
- adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
99. She grimaced in _____ when someone said the insulting words.
- n.* a feeling that someone something is unpleasant or unacceptable
100. The river was too deep to cross, so we had to find a _____ downstream where the water was shallower.
- n.* a shallow place in a river or stream where it is possible to walk or drive across
101. She was a skilled _____ able to craft intricate pieces of furniture.
- n.* a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal
102. The new CEO is the _____ of the former CEO.
- n.* a person who held a position or office before the current holder

ANSWERS: 95. laboratory, 96. self-taught, 97. physicist, 98. profound, 99. distaste, 100. ford, 101. wright, 102. predecessor

103. The systems we have developed has accepted as industry _____.
n. something that is regarded as usual, typical, or standard
104. 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
105. The error in the _____ was attributable to rounding.
n. the act or process of using numbers to judge an amount of something
106. This exam requires excellent _____ to pass.
n. the ability to focus all your time and energy on one thing without thinking about anything else.
107. Scientists studied the ancient _____ to learn more about the creature's anatomy.
n. the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
108. The _____ of Japan is known for its unique culture and advanced technology.
n. a large organized community of people living in a particular country or region and having a particular culture
109. His dog is as gentle as a _____.
n. a young sheep; the flesh of a young domestic sheep eaten as food
110. The unique _____ flavor is a favorite among gourmet chefs, especially in dessert recipes.
n. a fragrant organic chemical compound found in various plants, often used as a flavoring agent in food and beverages, which has a characteristic sweet, vanilla-like aroma and is also used in the production of perfumes and cosmetics

ANSWERS: 103. norms, 104. odor, 105. calculation, 106. concentration, 107. skeleton, 108. nation, 109. lamb, 110. coumarin

111. Red and _____ are opposites on the color spectrum.

adj. between blue and purple in hue

112. They had formed a friendship _____.

n. a close emotional connection between two or more people; a certificate of debt that a government or corporation issues to raise money

113. The _____ of the argument was well-presented.

n. the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug

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

adj. easy to see, discover or understand

115. He displayed the _____ symptoms of depression.

adj. judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type

116. During the flight, the wings of the plane _____.

v. to move or cause anything to move fast and in small increments from side to side

117. Five miles is _____ similar to eight kilometers.

adv. approximately but not precisely; with a violent manner

118. _____ the text from Italian into English.

v. to convert or change words into another language

119. This material can _____ moisture swiftly.

v. to force an attack or attacker to withdraw or retreat

ANSWERS: 111. violet, 112. bond, 113. substance, 114. obvious, 115. classic, 116. vibrate, 117. roughly, 118. Translate, 119. repel

120. In several countries, child _____ is a serious social problem.
n. productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal
121. The shape of the building is a distinctive five-sided _____.
n. a flat geometric shape with five straight sides and five angles; a building in Washington, D.C., that houses the U.S. Department of Defense and is the headquarters of the U.S. military
122. The sponge _____ water well.
v. to take in a fluid or other substance gradually
123. An X-ray _____ can determine the composition of the elements in a sample.
n. an optical instrument used for spectrographic analysis (= measurement of properties of light over a specific portion of the electromagnetic spectrum)
124. The _____ approach to problem-solving involves weighing all options.
adj. based on reason or logic; using good judgment and sound thinking
125. This device displayed the speech _____ spectrographically.
n. an ordered array of colors into which a light beam can be split
126. The smell of freshly baked bread began to _____ through the house.
v. to be carried along, as if by a current of air or water; to float or drift gently; (noun) a gentle movement or flow of air, usually carrying a scent, sound, or sensation with it
127. This company has invested heavily in Internet _____.
n. the activity of buying and selling things, especially on a large scale

ANSWERS: 120. labor, 121. pentagon, 122. absorbs, 123. spectroscope, 124. rational, 125. spectrum, 126. waft, 127. commerce

128. My computer has been acting _____ recently.

adj. extraordinary, unexpected, or difficult to explain

129. The concept of time is _____ and can feel longer or shorter depending on the situation.

adj. based on a personal perspective or feeling rather than an unbiased or objective view; influenced by personal opinions, interpretations, or feelings

130. He stood at the edge of the _____ and looked out to sea.

n. a steep rock face, especially one at the edge of the sea or a river

131. His _____ showed highly positive results.

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

132. _____ displaced part of the mechanism.

n. a continuous quick and slight shaking movement

133. She had the _____ that work was fun.

n. the way you think and feel about someone or something

134. The country experienced a _____ increase in population.

adj. happening slowly over a long period of time or distance; not steep or abrupt

135. I have to complete the exercises in the _____ before the next class.

n. a book used to practice and reinforce lessons or exercises, especially in a school or educational setting

136. The rain and thunder are _____ today.

adj. stupid or not sensible; very angry

ANSWERS: 128. weird, 129. subjective, 130. cliff, 131. experiments, 132. Vibration, 133. attitude, 134. gradual, 135. workbook, 136. crazy

137. A _____ audience viewed the broadcast.

adj. enormous in size, number, amount, or quantity

138. Some herds have been observed to _____ hundreds of kilometers.

v. to make or be capable of making anything longer or broader without hurting or breaking

139. She _____ a new chapter into her manuscript.

v. to put something inside something else

140. The budget reduction was an _____ feat for our nation.

adj. arousing admiration due to size, quality, or skill

141. The honeycomb structure of a beehive is made up of _____.

n. a six-sided polygon with six angles and six sides of equal length

142. She was _____ for the help he provided.

adj. feeling or showing an appreciation of kindness; thankful

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

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

144. There was a chemical _____ of the lime with the groundwater.

n. a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others

145. I need to _____ my head to the beat of the music.

v. to move up and down quickly and repeatedly, often in a short, jerky motion; to cut, trim, or shorten hair, especially by repeatedly snipping with scissors; (noun) a hairstyle in which the hair is cut short and even all around, usually above the shoulders

ANSWERS: 137. vast, 138. stretch, 139. inserted, 140. impressive, 141. hexagons, 142. grateful, 143. rot, 144. reaction, 145. bob

146. He studied the _____ of radiation.

n. the science of matter and energy and their interactions

147. The discovery of penicillin was a result of _____.

n. the occurrence and development of events by chance in a happy or beneficial way; a fortunate accident or discovery

148. Please strike the "enter" on the _____.

n. device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work

149. Excuse me if my question is _____ to the topic.

adj. having no connection; not belonging to the kinship

150. Her sudden _____ drew everyone's attention.

n. a sudden outcry or shout, especially one expressing strong emotion

151. The _____ of time travel has long fascinated scientists and fiction writers alike.

n. a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts

152. The geologist found a beautiful specimen of a _____ mineral.

adj. resembling crystal in clarity, transparency, or brilliance; having a highly ordered and symmetrical molecular structure

153. These English words are _____ from Latin.

v. to obtain or receive something from a source

ANSWERS: 146. physics, 147. serendipity, 148. keyboard, 149. unrelated, 150. exclamation, 151. notion, 152. crystalline, 153. derived

154. She felt an instant _____ toward him.

- n.* a sense of like someone, particularly sexually; something that causes individuals to desire to go to a specific area or do a specific activity

155. The spider can _____ multiple different silk proteins.

- v.* to combine a substance to make a more complex product or compound

156. I ___ that you know it.

- v.* to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something

157. I sat on the _____ in the park and enjoyed the beautiful scenery.

- n.* a long, flat surface, often elevated and supported by legs, used for sitting, working, or displaying objects; persons who administer justice

158. He was given _____ for his outstanding work in the field of medicine.

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

159. The system is still so _____ that it is useless.

- adj.* lacking the ability or skill and not making the best use of time, money, energy, etc.

160. Lawyers need to _____ even the most minor provisions of the law.

- v.* to learn something carefully so that you will remember it exactly

161. These results muddied the _____.

- n.* the act of predicting the future by reasoning; a statement made about the future

ANSWERS: 154. attraction, 155. synthesize, 156. bet, 157. bench, 158. recognition, 159. inefficient, 160. memorize, 161. prediction

162. The plant has a stunning _____ blossom.

adj. of a color intermediate between red and blue

163. The workers had to dig through solid rock to create the vehicular _____ allowing the cars to pass through the mountain.

n. an underground or underwater passage, typically for trains or cars

164. Taking photographs inside the museum is _____.

adj. not permitted or allowed by rules or laws

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

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

166. Higher _____ requires additional equipment and energy.

n. the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature

167. The old building _____ in a fiery inferno.

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

168. 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

169. Her excessive demands drove me _____.

adj. extremely stupid, crazy, or dangerous; mentally ill

ANSWERS: 162. purple, 163. tunnel, 164. forbidden, 165. motors, 166. purity, 167. exploded, 168. atom, 169. insane

170. We made _____ modifications to reflect the views of both sides.

adj. very small in degree or amount

171. He _____ his health to make the project a success.

v. to not give enough care or attention to something; to leave something undone

172. The shape of the DNA _____ is a double helix.

n. a group of two or more atoms held together by attractive forces known as chemical bonds

173. The production of _____ can have environmental benefits if produced from renewable sources.

n. a colorless, flammable alcohol that is produced by the fermentation of sugars and is commonly used as a fuel, solvent, and in the manufacture of alcoholic beverages

174. The company holds patents on core components of _____ jet printers.

n. a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

175. This evidence will form the _____ for our discussion.

n. the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

176. The two products _____ in their quality and price.

v. to be not like someone or something in some way

177. Western ideology slowly _____ through the eastern countries.

v. to pass into or through something, often by overcoming resistance

ANSWERS: 170. slight, 171. neglected, 172. molecule, 173. ethanol, 174. laser, 175. basis, 176. differed, 177. penetrates

178. His painting style is _____ of Monet's

adj. making you remember someone or something; relating to the recall of personal interests

179. 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

180. The _____ launch platform is visible from this hill.

n. a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon

181. Shall we _____ a bite to eat?

v. to take hold of something or someone suddenly with a hand, especially in a violent way

182. The _____ of the witness's testimony was called into question during the trial.

n. the quality or state of seeming reasonable or believable; the likelihood or probability of something being true or valid

183. The outermost _____ shell determines the chemical properties of an atom.

n. a tiny particle with the negative electrical charge

184. The company's stock gives a high _____.

n. the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information

185. 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

ANSWERS: 178. reminiscent, 179. colleague, 180. rocket, 181. grab, 182. plausibility, 183. electron, 184. yield, 185. carbon

ANSWERS: