

# Englist.me



## Vocabulary Builder Reference from...

Hannah Bürckstümmer: A printable, flexible, organic solar cell | TED Talk

[https://www.ted.com/talks/hannah\\_burckstummer\\_a\\_printable\\_flexible\\_organic\\_solar\\_cell](https://www.ted.com/talks/hannah_burckstummer_a_printable_flexible_organic_solar_cell)

### All Words

#### IMPORTANT

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## Session 1: Word List

### definitely

*adv.* without any question and beyond doubt; clearly  
*synonym*: absolutely, certainly, indeed

(1) **definitely** become a problem, (2) say **definitely**

The paper is **definitely** worth reading thoroughly.

### correspond

*v.* to match or be similar to something else almost exactly;  
to exchange messages

*synonym*: match, equate, communicate

(1) **correspond** to a standard, (2) **correspond** with a foreign student

The numbers on the sign **correspond** to points on the map.

### sustainable

*adj.* able to continue or be continued for a long time  
*synonym*: continuable, endurable, tolerable

(1) **sustainable** alternative fuel, (2) principles of **sustainable** development

The government should do more to support environmentally **sustainable** agriculture.

### footprint

*n.* a mark of a foot, shoe, or animal's foot left on a surface  
*synonym*: footmark, imprint, impression

(1) **footprints** in the snow, (2) the **footprints** of an earlier

civilization

We choose transportation that has a smaller carbon **footprint**.

## consume

v. to spend something, especially fuel, energy, or time, in a large amount

*synonym*: absorb, ingest, use up

(1) **consume** a large amount of alcohol, (2) **consume** electricity

A smaller car will **consume** less fuel.

## planet

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

*synonym*: earth, world, globe

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

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

## regenerate

v. to improve or renew an area, institution, system, etc., especially by making it more active or successful

*synonym*: renew, revive, improve

(1) **regenerate** bone tissue, (2) a **regenerate** sinner

The new CEO's primary mission is to **regenerate** the company on the verge of bankruptcy.

## emit

v. to give off or send out something such as light, heat, sound, gas, etc.

*synonym*: give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

## 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.

## oxide

*n.* a chemical compound that contains at least one oxygen atom and one other element

(1) silver **oxide**, (2) combined **oxide**

The blood's red coloring comes from iron **oxide**.

## reabsorption

*n.* the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation

(1) **reabsorption** of water, (2) glucose **reabsorption**

The tubules are responsible for the **reabsorption** of sodium once filtered by the kidneys.

## stable

*adj.* firm and steady; not easily moved, disturbed, or changed

*synonym*: sturdy, unmoving, durable

(1) in **stable** condition, (2) have a **stable** job

Relations between the two countries have been relatively **stable** due to the summit meeting.

## oversize

*adj.* larger than the normal or standard size

*synonym*: large, big, excessive

(1) **oversize** tire, (2) **oversize** bag

The **oversize** jacket was too big for her, but she still wore it because she liked the style.

## creditor

*n.* a person, company, etc. to whom a debtor owes money

(1) the **creditor's** claims, (2) bankrupt **creditor**

I asked the lawyer to initiate **creditor** negotiations for voluntary liquidation.

## row

*n.* an arrangement of objects or people side by side in a line

*synonym*: line, sequence, layer

(1) criminal on death **row**, (2) a **row** of cherry trees

He was the leader of the demonstrators and spoke out against the war in the front **row**.

## devastating

*adj.* causing a great deal of destruction or damage

*synonym* : destructive, annihilative, disastrous

(1) have **devastating** effects, (2) treat this **devastating** disease

This typhoon was the most **devastating** in years.

## excessive

*adj.* greater than what seems necessary, normal, or desirable

*synonym* : unreasonable, exorbitant, inflated

(1) an **excessive** force, (2) take **excessive** care

It would be best if you did not demand such an **excessive** charge.

## exploitation

*n.* the process of making some area of land or water more profitable or productive or useful

*synonym* : victimization, development, using

(1) sexual **exploitation**, (2) the **exploitation** of fossil resources

Strategic **exploitation** of cutting-edge technology would be a sure formula for success.

## melt

*v.* to turn from something solid into something soft or liquid as a result of heating

*synonym* : disintegrate, soften, disappear

(1) **melt** the ice, (2) **melt** down gold

Her resistance **melted** under his persuasion.

## glacier

*n.* a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole

*synonym* : iceberg, ice floe

(1) **glacier** retreat, (2) **glaciers** move tardily

The **glaciers** of the ice age have shaped Fjord.

## polar

*adj.* relating to, or close to, the North or South Pole; characterized by complete opposites

*synonym* : opposing, contrary, contrasting

(1) **polar** bears, (2) **polar** regions

**Polar** animals are graceful and efficient swimmers.

## increasingly

*adv.* more and more

*synonym*: more and more, progressively

(1) **increasingly** become common, (2) face **increasingly** complicated challenges

Our company found it **increasingly** difficult to keep up with the competition.

## extreme

*adj.* very great in amount or degree

*synonym*: farthestmost, outermost, fierce

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

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

## climate

*n.* the weather in a particular location averaged over some long period

*synonym*: atmosphere, weather, environment

(1) a cold **climate**, (2) effects of **climate** change

**Climate** and weather have an impact on every part of our lifestyles.

## enormity

*n.* the quality of being extremely evil or wicked; the vastness of size or extent

*synonym*: horribleness, seriousness, immensity

(1) grasp the **enormity**, (2) the **enormity** of the task

The **enormity** of the financial fraud was uncovered after years of investigation.

## frustrate

*v.* to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something

*synonym*: hinder, thwart, dishearten

(1) **frustrate** the advancement, (2) **frustrate** other team members

The coach explained a strategy to **frustrate** the opponent's schemes to the players.

## contribute

*v.* to give something, especially money or goods, to provide or achieve something together with other people

*synonym*: donate, devote, commit

(1) **contribute** a large sum of money to the fund,

(2) **contribute** to society

Government workers cannot **contribute** to political campaigns.

## tackle

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

*synonym*: deal with, dive into, work on

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

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

## consumption

*n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials

*synonym*: usage, uptake, utilization

(1) average fuel **consumption**, (2) the **consumption** of food

In our country, water **consumption** usually decreases during the winter.

## emission

*n.* the act of production or sending out gas, heat, light, etc.

*synonym*: emanation, radiation, discharge

(1) global **emissions** of greenhouse gases, (2) the **emission** of light

There are five distinct **emissions** at five unique wavelengths.

## principle

*n.* a fundamental law or truth that explains or controls how something happens or works

*synonym*: rule, creed, code

(1) **principle** of treatment, (2) **principle** in business

Efficiency isn't an essential **principle** here; fairness is.

## achieve

*v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

*synonym* : accomplish, attain, reach

(1) **achieve** success, (2) **achieve** milestones

I will work hard to **achieve** my goals and realize my dreams.

## insulate

*v.* to protect something by interposing material that prevents heat, noise, electricity, etc.

*synonym* : isolate, protect, seclude

(1) **insulate** the room from sound, (2) **insulate** electricity

We had our bedroom **insulated** before winter came.

## instance

*n.* a particular example or single occurrence of something

*synonym* : example, sample, illustration

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

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

## 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**.

## renewable

*adj.* capable of being renewed, extended, or replaced

*synonym* : sustainable, replaceable

(1) **renewable** energy, (2) **renewable** subscriptions

The production of **renewable** fuels requires massive volumes of fresh water.

## solar

*adj.* of, from, or relating to the sun

(1) the **solar** system, (2) a **solar** eclipse

**Solar** panels have greatly improved not only in performance but also in durability.

## thermal

*adj.* relating to heat or temperature; designed for or capable of producing or maintaining heat

*synonym* : heat-related, warm, hot

(1) **thermal** insulation, (2) **thermal** energy

The **thermal** imaging camera was used to detect heat signatures in the dark.

## installation

*n.* the act or process of fixing furniture, a machine, or a piece of equipment into position so that it can be used; the act or process of putting into an office or a position

*synonym* : induction, introduction, furnishing

(1) **installation** fee, (2) a medical **installation**

The Queen attested the **installation** of state ministers to their portfolios.

## pump

*v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities

*synonym* : drain, inject, send

(1) **pump** a secret out of success, (2) **pump** blood throughout the body

He was alert and could not **pump** any critical information out of him.

## electrify

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

*synonym* : wire, amaze, astonish

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

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

## windmill

*n.* a machine that uses wind power to generate mechanical energy or electricity

*synonym* : wind turbine, aerogenerator



(1) **windmill** blades, (2) **windmill** energy

The countryside was dotted with picturesque **windmills**.

## probable

*adj.* likely to happen or likely to be true

*synonym*: likely, possible, potential

(1) **probable** outcome, (2) **probable** cause of a fire

It seems **probable** that he has forgotten our scheduled meeting.

## abundant

*adj.* present in great quantity

*synonym*: ample, plentiful, generative

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

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

## facade

*n.* the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant

*synonym*: front, camouflage, masquerade

(1) the outside **facade** of a castle, (2) **facade** of wealth

A gentle **facade** concealed his powerfulness.

## harvest

*n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm

*synonym*: crop, reaping, yield

(1) a scanty **harvest**, (2) reap a **harvest**

During **harvest**, farmers are incredibly busy.

## enormous

*adj.* extremely large or great

*synonym*: huge, giant, gigantic

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

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

## utilize

*v.* to use something for a practical purpose in an effective way

*synonym*: employ, use, operate

(1) **utilize** a different approach, (2) **utilize** a catheter

The cook **utilized** the leftover oxtail to make soup.

## orientation

*n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment

*synonym*: direction, introduction, frontage

(1) sexual **orientation**, (2) the school **orientation**

There will be an **orientation** lecture for new students this afternoon.

## overly

*adv.* to a greater degree than is appropriate or desirable

*synonym*: excessively, too much

(1) **overly** excessive, (2) **overly** unnecessary

The movie was **overly** dramatic, with exaggerated emotions and clichéd plot twists.

## photovoltaics

*n.* a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels

*synonym*: solar cells, solar power

(1) **photovoltaics** recycling initiatives, (2) **photovoltaics** system

The development of thin-film **photovoltaics** has allowed for a wider range of applications in building design.

## ratio

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

*synonym*: proportion, rate, quota

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

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

## flexible

*adj.* able to change or be changed to suit new conditions or situations; able to bend easily

*synonym*: adaptable, elastic, pliable

(1) **flexible** schedules, (2) a **flexible** wire

You can be more **flexible** and creative in your approach.

## aesthetic

*adj.* connected with the enjoyment or study of beauty  
*synonym* : beautiful, artistic, esthetic

(1) **aesthetic** value, (2) **aesthetic** feeling

My **aesthetic** standards are quite different from hers.

## architecture

*n.* the art and science of designing and constructing buildings

*synonym* : design, structure, layout

(1) **architecture** design, (2) classic **architecture**

The city is known for its impressive **architecture** and beautiful old buildings.

## organic

*adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

*synonym* : biological

(1) **organic** soils, (2) eat **organic** food

The kidney is an **organic** component of the body.

## absorption

*n.* a process in which one substance permeates another; a fluid permeates or is dissolved by a liquid or solid

*synonym* : consumption, digestion, soaking up

(1) the **absorption** of photons, (2) **absorption** energy

Vitamin D is essential to assist the **absorption** of calcium from food.

## transport

*n.* a system for moving people or products from one location to another using automobiles, roads, and so on

*synonym* : shipment, transit, conveyance

(1) **transport** facilities, (2) access to public **transport**

Enhanced rail **transportation** is crucial for our business.

## mixture

*n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties

*synonym* : blend, amalgam, concoction

(1) **mixture** of emotions, (2) perfect **mixture**

The paint was a **mixture** of different pigments to achieve the desired color.

## polymer

*n.* a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules

(1) **polymer** fiber, (2) biological **polymer**

We are developing plant-derived **polymers** to reduce environmental impact.

## pearl

*n.* a hard, roundish object found within the shells of certain mollusks and used as a gem

*synonym*: bead, gem, nacre

(1) a cultured **pearl**, (2) **pearl** beyond price

She wore a **pearl** necklace passed down to her from her grandmother.

## chain

*n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle

*synonym*: series, string, link

(1) **chain** reaction, (2) supply **chain**

The **chain** on my bike broke, leaving me stranded.

## 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.

## 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**.

## dissolve

*v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss

*synonym* : disband, disappear, liquefy

(1) **dissolve** the sugar, (2) officially **dissolved** the marriage

The political party **dissolved** after much internal fighting.

## technique

*n.* a particular way or art of doing something that needs skill

*synonym* : approach, procedure, strategy

(1) a **technique** in martial arts, (2) the **technique** applied to construction

Jockey's superior **technique** brought him victory.

## slot

*n.* a long, narrow opening or groove, typically one that is cut into a hard material, that is designed to receive and hold an object in place

*synonym* : notch, groove, channel

(1) memory **slot**, (2) mail **slot**

I inserted the coin into the **slot** and hit the button to start the game.

## continuous

*adj.* occurring or existing without a pause or interruption

*synonym* : ceaseless, regular, repeated

(1) **continuous** improvement, (2) a **continuous** row of warehouses

The heavy snow has been **continuous** since last morning.

## roll

*v.* to move in a particular direction by turning over and over or from side to side

*synonym* : spin, swirl, wheel

(1) **roll** a ball, (2) **roll** down his cheeks

He was exhausted and **rolled** into bed as soon as he got home.

## 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.

## substrate

*n.* a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act

(1) a silicon **substrate**, (2) **substrate** cell

Computational simulations help determine which **substrate** molecule is susceptible to change by specific enzymes.

## 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.

## micrometer

*n.* a tool for measuring small distances or dimensions, typically accurate to within one-thousandth of a millimeter

*synonym* : caliper, measuring gauge

(1) **micrometer** gauge, (2) vernier **micrometer**

The scientist used a digital **micrometer** to measure the exact thickness of the material.

## gram

*n.* a metric unit of weight equal to one-thousandth of a kilogram

(1) centimeter- **gram-second** system, (2) **gram** amount

How much is it per one hundred **grams**?

## efficient

*adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

*synonym* : productive, effective, competent

(1) **efficient** operation, (2) energy- **efficient** appliances  
The new washing machine is much more **efficient** than the old one.

## crucial

*adj.* extremely vital or necessary

*synonym*: essential, pivotal, vital

(1) **crucial** information, (2) a **crucial** issue for women

The revitalization of technology companies is **crucial** to the country's growth.

## module

*n.* a self-contained unit or component of a larger system or structure; a standardized unit of computer hardware or software designed to perform a specific function

*synonym*: component, unit, segment

(1) **module** software, (2) audio **module**

I must install a new programming **module** for my computer program to function properly.

## foil

*n.* a thin and flexible sheet of metal, such as aluminum, used for wrapping or covering items; a literary device in which a character's actions or words are used to contrast or highlight the actions or words of another character; (verb) to prevent someone from succeeding in their plans or actions

*synonym*: enhancer, transparency, (verb) curb

(1) aluminum **foil**, (2) **foil** a terror plot

The baker covered the cake with **foil** to prevent it from burning in the oven.

## feat

*n.* a notable or impressive achievement, especially one that requires great skill or bravery

*synonym*: achievement, accomplishment, exploit

(1) intellectual **feat**, (2) **feat** accomplishment

It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.

## lightweight

*adj.* composed of thinner and lighter material than average; not severe or impressive

(1) **lightweight** aircraft, (2) **lightweight** structure

Powder coating protects the **lightweight** aluminum alloy components.

## transparent

*adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely

*synonym*: translucent, evident, diaphanous

(1) a **transparent** lie, (2) **transparent** crystal

The focus of these initiatives is to make the financial system more **transparent**.

## outdoors

*adv.* in or into the open air; outside a building or structure

*synonym*: outside, al fresco, in the open air

(1) exhausted **outdoors**, (2) sleep **outdoors**

She loves to hike **outdoors** and explore nature.

## indoor

*adj.* located, happened, or used inside a building

(1) an **indoor** pool, (2) designed for **indoor** use

Table tennis is an **indoor** sport.

## illuminate

*v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity

*synonym*: brighten, light, adorn

(1) **illuminate** a dark hall, (2) **illuminate** my understanding

That biologist **illuminated** the mechanism of heredity.

## advantage

*n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

*synonym*: benefit, edge, asset

(1) score an **advantage**, (2) take **advantage** of his weak points

One of the main **advantages** of the new product is its



increased efficiency.

## addition

*n.* the act or process of adding something to something else; the process of adding numbers

*synonym*: accumulation, expansion, addendum

(1) chemical **addition**, (2) **addition** of vectors

In **addition**, private corporations provide healthcare services.

## silicon

*n.* a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers

(1) **silicon** wafer, (2) crystalline **silicon**

**Silicon** is the second most abundant element on earth after oxygen.

## suited

*adj.* appropriate, fitting, or acceptable for a particular purpose or occasion; matched or corresponding to a specific person, dress, or circumstances

*synonym*: appropriate, fitting, suitable

(1) **suited** for the job, (2) well- **suited** personality

The job offer was perfectly **suited** to her skills and experience.

## combine

*v.* to join or merge to form a single thing or group

*synonym*: coalesce, cohere, blend

(1) **combine** chemically with another substance,

(2) **combine** augmented reality

Hydrogen and oxygen **combine** to form water.

## membrane

*n.* a soft, thin layer that forms animal or vegetable tissue

*synonym*: tissue layer

(1) cell **membranes**, (2) nuclear **membrane**

Loud noises might harm the fragile ear **membrane**.

## opera

*n.* a drama set to music, in which the words are sung rather than spoken

*synonym*: musical, operetta, oratorio

(1) ballad **opera**, (2) **opera** performance

She loves going to the **opera** house and hearing the beautiful music.

## conventional

*adj.* based on or following traditional rules, standards, customs, etc.

*synonym*: ancestral, customary, established

(1) a **conventional** style, (2) get a **conventional** loan

She is very **conventional** in her thoughts.

## construct

*v.* to build or create something; to assemble or combine different parts to form something whole

*synonym*: build, assemble, create

(1) **construct** a 3D image, (2) **construct** a dam

He **constructs** hypotheses that no mathematician has ever imagined before.

## laminated

*n.* a material made by bonding together two or more layers of different materials, often used in furniture or flooring

*synonym*: veneer, coating, layer

(1) **laminated** flooring, (2) **laminated** table

The countertop in my kitchen is made of durable **laminated** material.

## integrate

*v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups

*synonym*: mix, merge, combine

(1) **integrate** into the existing system, (2) **integrate** both businesses

He found that it is difficult to **integrate** socially.

## attach

*v.* to fasten, join, or connect one thing to another

*synonym*: fix, fasten, bind

(1) **attach** firmly, (2) **attach** a file to an e-mail

He does not **attach** importance to these rumors.

## install

*v.* to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position

*synonym*: establish, inaugurate, lodge

(1) **install** a door, (2) **install** a chairperson

The new president was **installed** immediately after the national election.

## envelop

*v.* to surround and cover completely; to encase

*synonym*: wrap, cover, surround

(1) **envelop** the whole world, (2) **envelop** her in a bear hug

The fog **enveloped** the city, making it difficult to see.

## function

*n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

*synonym*: purpose, mapping, job

(1) **function** properly, (2) immune **function**

The brain is an incredibly complex organ that controls the body's **function**.

## optics

*n.* the academic study of vision and light

(1) **optics** technology, (2) fiber **optics**

Einstein's new **optics** theory transformed traditional scientific notions about light.

## panel

*n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

*synonym*: board, commission, discussion

(1) **panel** discussion, (2) cost of solar **panels**

A **panel** of economic advisers from the United States visited the country to help rebuild its economy.

## flexibility

*n.* the quality of changing or being changed easily according to new conditions or situations

*synonym*: elasticity, adaptability, resilience

(1) mental **flexibility**, (2) the **flexibility** of the body

We dealt with those problems with speed and **flexibility**.

## architect

*n.* a person whose job is to design plans to be used in making something, such as buildings

*synonym*: creator, designer, planner

(1) landscape **architect**, (2) **architect** of the peace accord

The building **architect** tried to build the house above the tree.

## lab

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

*synonym*: workshop, laboratory, research chamber

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

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

## mass

*n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

*synonym*: abundance, crowd, mob

(1) a **mass** of molten rock, (2) critical **mass**

The **mass** of people who do not own property is politically impotent.

## adoption

*n.* the action or fact of legally taking another's child as one's own; the act of accepting with approval

*synonym*: fostering, acceptance, custody

(1) **adoption** assistance, (2) the **adoption** of a plan

The **adoption** process can be long and difficult, but it is worth it for the love of a child.

## commercialize

v. to make something available for sale or use on a large scale

*synonym*: monetize, capitalize, marketize

(1) **commercialize** my patents, (2) **commercialize** idea

The company is trying to **commercialize** its new product.

## neutral

*adj.* not helping or assisting either side in a conflict, argument, etc.

*synonym*: impartial, uninvolved, halfhearted

(1) permanently **neutral** country, (2) **neutral** colors

A legislative speaker should always be **neutral**.

## decarbonize

v. to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy

*synonym*: decoke, decarburise, decarburize

(1) **decarbonize** their manufacturing process,

(2) **decarbonize** its energy system

We have to seek methods to **decarbonize** its fossil fuel economy.

## industrial

*adj.* of or relating to or resulting from industry

*synonym*: manufacturing, mechanical

(1) beginning of the **industrial** revolution, (2) **industrial** alcohol

**Industrial** design has become more focused on human nature aspect than ever before.

## equip

v. to provide a person or a place with the things that are needed for a particular purpose or activity

*synonym*: prepare, furnish, provide

(1) **equip** an army, (2) **equip** our children with some special skills

The construction company **equipped** the building with an earthquake-resistant device.

## 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.

## pavilion

*n.* a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings

*synonym* : gazebo, kiosk, pagoda

(1) garden **pavilion**, (2) beach **pavilion**

The outdoor wedding reception was held in a beautiful **pavilion** overlooking the lake.

## 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**.

## 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.

## hooked

*adj.* being caught or caught up in something; curved down like an eagle's beak

*synonym* : caught, captivated, addicted

(1) **hooked** hair, (2) **hooked** on drugs

My son was **hooked** on the Internet.

## imaginary

*adj.* existing only in someone's mind

*synonym* : fictional, ideal, fantastical

(1) **imaginary** number, (2) **imaginary** pregnancy

Little children tend to have **imaginary** friends.

## logo

*n.* a symbol or design that represents a company, organization, or product used on packaging, advertisements, and other materials

*synonym* : emblem, symbol, crest

(1) **logo** design, (2) brand **logo**

The company's **logo** was on the side of the building.

## display

*v.* to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value

*synonym* : show, exhibit, present

(1) **display** merchandise, (2) **display** artwork

We need to **display** our products in an attractive way to attract customers.

## innovative

*adj.* introducing or using new methods, ideas, etc.

*synonym* : creative, ingenious, inventive

(1) use of **innovative** technology, (2) stylistically **innovative** works

The Prime Minister stressed the need to create **innovative** industries.

## provider

*n.* a person or an organization that supplies somebody with something needed or wanted

*synonym* : supplier

(1) an information **provider**, (2) the **provider** of the family

People select Internet **providers** not only in terms of price but also in terms of transmission speed.

## seamless

*adj.* without spaces or breaks between one part and the next

*synonym* : smooth, continuous, unseamed

(1) enable **seamless** access, (2) **seamless** device connectivity

The service was **seamless**, and the food was quite delicious.

## shell

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

*synonym*: ammunition, armor, cover

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

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

## exploit

*v.* to make full use of and gain an advantage from resources, opportunities, etc.

*synonym*: use, abuse, control

(1) **exploit** a security hole, (2) **exploit** a valuable opportunity

We **exploit** our mining resources to strengthen our national power.

## curve

*n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

*synonym*: bend, arc, turn

(1) learning **curve**, (2) yield **curve**

The **curve** in the road was so sharp that I had to slow down to navigate it safely.

## contribution

*n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause

*synonym*: donation, gift, offering

(1) make a positive **contribution**, (2) **contribution** to society

His **contribution** to the charity was a generous donation of money.



## Session 2: Spelling

- |  |   |
|--|---|
| 1. en____p the whole world                 | <i>v.</i> to surround and cover completely; to encase   |
| 2. centimeter-g__m-second system           | <i>n.</i> a metric unit of weight equal to one-thousandth of a kilogram   |
| 3. ne____l colors                          | <i>adj.</i> not helping or assisting either side in a conflict, argument, etc.  |
| 4. face inc_____gly complicated challenges | <i>adv.</i> more and more   |
| 5. di____y merchandise                     | <i>v.</i> to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value  |
| 6. in_____te both businesses               | <i>v.</i> to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups  |
| 7. designed for in____r use                | <i>adj.</i> located, happened, or used inside a building  |
| 8. pho_____ics recycling initiatives       | <i>n.</i> a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels |
| 9. th____l insulation                      | <i>adj.</i> relating to heat or temperature; designed for or capable of producing or maintaining heat   |

ANSWERS: 1. envelop, 2. gram, 3. neutral, 4. increasingly, 5. display, 6. integrate, 7. indoor, 8. photovoltaics, 9. thermal

10. f\_\_l a terror plot *n.* a thin and flexible sheet of metal, such as aluminum, used for wrapping or covering items; a literary device in which a character's actions or words are used to contrast or highlight the actions or words of another character; (verb) to prevent someone from succeeding in their plans or actions
11. gl\_\_\_\_rs move tardily *n.* a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole
12. the outside fa\_\_\_e of a castle *n.* the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant
13. a fl\_\_\_\_le wire *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
14. p\_\_p blood throughout the body *v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
15. industry-sp\_\_\_\_ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
16. a medical ins\_\_\_\_\_ion *n.* the act or process of fixing furniture, a machine, or a piece of equipment into position so that it can be used; the act or process of putting into an office or a position

ANSWERS: 10. foil, 11. glacier, 12. facade, 13. flexible, 14. pump, 15. specific, 16. installation

- |   |           |   |
|---|-----------|---|
| 17. officially di_____ved the marriage    | <i>v.</i> | to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss                                |
| 18. the em_____on of light                | <i>n.</i> | the act of production or sending out gas, heat, light, etc.   |
| 19. a mollusk sh__l                       | <i>n.</i> | hard outer covering or case of eggs, nuts, some seeds, and some animals   |
| 20. fa___e of wealth                      | <i>n.</i> | the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant |
| 21. a te_____ue in martial arts           | <i>n.</i> | a particular way or art of doing something that needs skill   |
| 22. reap a ha_____t                       | <i>n.</i> | yields of plants in a single growing season; the period of the year when gathering occurs on a farm                               |
| 23. biological po_____r                   | <i>n.</i> | a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules                     |
| 24. debt-to-income ra__o                  | <i>n.</i> | the relative size or amount of one thing to another, typically expressed in the form of a fraction or decimal                     |
| 25. pe__l beyond price                    | <i>n.</i> | a hard, roundish object found within the shells of certain mollusks and used as a gem   |
| 26. global em_____ons of greenhouse gases | <i>n.</i> | the act of production or sending out gas, heat, light, etc.   |
| 27. ch__n reaction                        | <i>n.</i> | a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle                      |

ANSWERS: 17. dissolve, 18. emission, 19. shell, 20. facade, 21. technique, 22. harvest, 23. polymer, 24. ratio, 25. pearl, 26. emission, 27. chain

28. abs\_\_\_\_\_on energy *n.* a process in which one substance permeates another; a fluid permeates or is dissolved by a liquid or solid
29. sexual ori\_\_\_\_\_on *n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment
30. se\_\_\_\_\_ss device connectivity *adj.* without spaces or breaks between one part and the next
31. 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
32. m\_\_t down gold *v.* to turn from something solid into something soft or liquid as a result of heating
33. fr\_\_\_\_\_te other team members *v.* to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something
34. rea\_\_\_\_\_ion of water *n.* the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation
35. the fo\_\_\_\_\_nts of an earlier civilization *n.* a mark of a foot, shoe, or animal's foot left on a surface

ANSWERS: 28. absorption, 29. orientation, 30. seamless, 31. process, 32. melt, 33. frustrate, 34. reabsorption, 35. footprint

36. the cr\_\_\_\_or's claims *n.* a person, company, etc. to whom a debtor owes money
37. cr\_\_\_\_l information *adj.* extremely vital or necessary
38. com\_\_\_\_\_ize my patents *v.* to make something available for sale or use on a large scale
39. cell me\_\_\_\_nes *n.* a soft, thin layer that forms animal or vegetable tissue
40. pl\_\_\_\_t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
41. nuclear me\_\_\_\_ne *n.* a soft, thin layer that forms animal or vegetable tissue
42. the school ori\_\_\_\_\_on *n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment
43. con\_\_\_\_\_ion to society *n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause
44. im\_\_\_\_\_ry pregnancy *adj.* existing only in someone's mind
45. access to public tr\_\_\_\_\_rt *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
46. op\_\_a performance *n.* a drama set to music, in which the words are sung rather than spoken

ANSWERS: 36. creditor, 37. crucial, 38. commercialize, 39. membrane, 40. planet, 41. membrane, 42. orientation, 43. contribution, 44. imaginary, 45. transport, 46. opera

47. con\_\_\_\_\_te to society *v.* to give something, especially money or goods, to provide or achieve something together with other people
48. di\_\_\_\_\_ve the sugar *v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
49. chemical ad\_\_\_\_\_on *n.* the act or process of adding something to something else; the process of adding numbers
50. ins\_\_\_\_\_ion fee *n.* the act or process of fixing furniture, a machine, or a piece of equipment into position so that it can be used; the act or process of putting into an office or a position
51. enable se\_\_\_\_\_ss access *adj.* without spaces or breaks between one part and the next
52. intellectual f\_\_t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
53. the abs\_\_\_\_\_on of photons *n.* a process in which one substance permeates another; a fluid permeates or is dissolved by a liquid or solid
54. ov\_\_\_\_\_ze bag *adj.* larger than the normal or standard size
55. sexual exp\_\_\_\_\_ion *n.* the process of making some area of land or water more profitable or productive or useful
56. immune fu\_\_\_\_\_on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 47. contribute, 48. dissolve, 49. addition, 50. installation, 51. seamless, 52. feat, 53. absorption, 54. oversize, 55. exploitation, 56. function

57. a tra\_\_\_\_\_nt lie *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
58. mo\_\_\_e software *n.* a self-contained unit or component of a larger system or structure; a standardized unit of computer hardware or software designed to perform a specific function
59. small mo\_\_\_\_\_les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
60. def\_\_\_\_\_ly become a problem *adv.* without any question and beyond doubt; clearly
61. at\_\_\_h firmly *v.* to fasten, join, or connect one thing to another
62. the ad\_\_\_\_\_on of a plan *n.* the action or fact of legally taking another's child as one's own; the act of accepting with approval
63. mail s\_\_t *n.* a long, narrow opening or groove, typically one that is cut into a hard material, that is designed to receive and hold an object in place
64. pr\_\_\_\_\_le cause of a fire *adj.* likely to happen or likely to be true
65. for in\_\_\_\_\_ce *n.* a particular example or single occurrence of something
66. ab\_\_\_b energy *v.* to take in a fluid or other substance gradually
67. ac\_\_\_\_\_e success *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

ANSWERS: 57. transparent, 58. module, 59. molecule, 60. definitely, 61. attach, 62. adoption, 63. slot, 64. probable, 65. instance, 66. absorb, 67. achieve

68. arc\_\_\_\_\_ure design *n.* the art and science of designing and constructing buildings
69. live an ab\_\_\_\_\_nt life *adj.* present in great quantity
70. en\_\_\_\_\_p her in a bear hug *v.* to surround and cover completely; to encase
71. 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
72. in st\_\_\_\_\_e condition *adj.* firm and steady; not easily moved, disturbed, or changed
73. silver ox\_\_\_e *n.* a chemical compound that contains at least one oxygen atom and one other element
74. yield cu\_\_\_e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
75. ae\_\_\_\_\_ic feeling *adj.* connected with the enjoyment or study of beauty
76. mic\_\_\_\_\_er gauge *n.* a tool for measuring small distances or dimensions, typically accurate to within one-thousandth of a millimeter
77. an egg sh\_\_\_l *n.* hard outer covering or case of eggs, nuts, some seeds, and some animals
78. crystalline si\_\_\_\_\_n *n.* a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers

ANSWERS: 68. architecture, 69. abundant, 70. envelop, 71. compound, 72. stable, 73. oxide, 74. curve, 75. aesthetic, 76. micrometer, 77. shell, 78. silicon



79. medical l_b	<i>n.</i>	a workplace for the conduct of scientific research; a laboratory
80. sus_____le alternative fuel	<i>adj.</i>	able to continue or be continued for a long time
81. co_____e chemically with another substance	<i>v.</i>	to join or merge to form a single thing or group
82. ae_____ic value	<i>adj.</i>	connected with the enjoyment or study of beauty
83. in_____l a door	<i>v.</i>	to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
84. have a st___e job	<i>adj.</i>	firm and steady; not easily moved, disturbed, or changed
85. pr_____le in business	<i>n.</i>	a fundamental law or truth that explains or controls how something happens or works
86. wi_____ll energy	<i>n.</i>	a machine that uses wind power to generate mechanical energy or electricity
87. cost of solar pa__ls	<i>n.</i>	a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
88. take ad_____ge of his weak points	<i>n.</i>	a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

ANSWERS: 79. lab, 80. sustainable, 81. combine, 82. aesthetic, 83. install, 84. stable, 85. principle, 86. windmill, 87. panel, 88. advantage

89. audio mo\_\_\_e *n.* a self-contained unit or component of a larger system or structure; a standardized unit of computer hardware or software designed to perform a specific function
90. have dev\_\_\_\_\_ng effects *adj.* causing a great deal of destruction or damage
91. inc\_\_\_\_\_gly become common *adv.* more and more
92. co\_\_\_e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount
93. pr\_\_\_le outcome *adj.* likely to happen or likely to be true
94. pho\_\_\_\_\_ics system *n.* a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels
95. he\_\_\_n pattern *n.* a six-sided polygon with six angles and six sides of equal length
96. dec\_\_\_\_\_ze its energy system *v.* to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy
97. sp\_\_\_ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
98. eat or\_\_\_c food *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

ANSWERS: 89. module, 90. devastating, 91. increasingly, 92. consume, 93. probable, 94. photovoltaics, 95. hexagon, 96. decarbonize, 97. specific, 98. organic

99. r\_\_l a ball *v.* to move in a particular direction by turning over and over or from side to side
100. treat this dev \_\_\_\_\_ng disease *adj.* causing a great deal of destruction or damage
101. supply ch\_\_n *n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
102. co\_\_\_\_\_e electricity *v.* to spend something, especially fuel, energy, or time, in a large amount
103. sleep ou\_\_\_\_\_rs *adv.* in or into the open air; outside a building or structure
104. ill\_\_\_\_\_te a dark hall *v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity
105. in\_\_\_\_\_te electricity *v.* to protect something by interposing material that prevents heat, noise, electricity, etc.
106. ad\_\_\_\_\_on assistance *n.* the action or fact of legally taking another's child as one's own; the act of accepting with approval
107. ab\_\_\_b a shock *v.* to take in a fluid or other substance gradually
108. mi\_\_\_\_\_e of emotions *n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties
109. en\_\_\_\_\_us potential *adj.* extremely large or great

ANSWERS: 99. roll, 100. devastating, 101. chain, 102. consume, 103. outdoors, 104. illuminate, 105. insulate, 106. adoption, 107. absorb, 108. mixture, 109. enormous



120. an ab\_\_\_\_\_nt supply of water      *adj.* present in great quantity
121. ov\_\_\_\_y unnecessary      *adv.* to a greater degree than is appropriate or desirable
122. a m\_\_s of molten rock      *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
123. con\_\_\_\_\_us improvement      *adj.* occurring or existing without a pause or interruption
124. el\_\_\_\_\_fy the audience      *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
125. vernier mic\_\_\_\_\_er      *n.* a tool for measuring small distances or dimensions, typically accurate to within one-thousandth of a millimeter
126. tra\_\_\_\_\_nt crystal      *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
127. a scanty ha\_\_\_\_\_t      *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
128. ov\_\_\_\_y excessive      *adv.* to a greater degree than is appropriate or desirable
129. make a positive con\_\_\_\_\_ion      *n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause

ANSWERS: 120. abundant, 121. overly, 122. mass, 123. continuous, 124. electrify, 125. micrometer, 126. transparent, 127. harvest, 128. overly, 129. contribution

130. tr\_\_\_\_\_rt facilities *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
131. lig\_\_\_\_\_ht structure *adj.* composed of thinner and lighter material than average; not severe or impressive
132. im\_\_\_\_\_ry number *adj.* existing only in someone's mind
133. a cr\_\_\_\_\_l issue for women *adj.* extremely vital or necessary
134. po\_\_\_\_\_r fiber *n.* a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules
135. co\_\_\_\_\_e augmented reality *v.* to join or merge to form a single thing or group
136. con\_\_\_\_\_te a large sum of money to the fund *v.* to give something, especially money or goods, to provide or achieve something together with other people
137. ar\_\_\_\_\_ct of the peace accord *n.* a person whose job is to design plans to be used in making something, such as buildings
138. aluminum f\_\_l *n.* a thin and flexible sheet of metal, such as aluminum, used for wrapping or covering items; a literary device in which a character's actions or words are used to contrast or highlight the actions or words of another character; (verb) to prevent someone from succeeding in their plans or actions
139. in\_\_\_\_\_te into the existing system *v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups

ANSWERS: 130. transport, 131. lightweight, 132. imaginary, 133. crucial, 134. polymer, 135. combine, 136. contribute, 137. architect, 138. foil, 139. integrate

140. glucose rea\_\_\_\_\_ion *n.* the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation
141. ad\_\_\_\_\_on of vectors *n.* the act or process of adding something to something else; the process of adding numbers
142. garden pa\_\_\_\_\_on *n.* a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings
143. save the pl\_\_\_\_t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
144. an in\_\_\_\_r pool *adj.* located, happened, or used inside a building
145. grasp the en\_\_\_\_\_ty *n.* the quality of being extremely evil or wicked; the vastness of size or extent
146. beach pa\_\_\_\_\_on *n.* a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings
147. exhausted ou\_\_\_\_\_rs *adv.* in or into the open air; outside a building or structure
148. ill\_\_\_\_\_te my understanding *v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity

ANSWERS: 140. reabsorption, 141. addition, 142. pavilion, 143. planet, 144. indoor, 145. enormity, 146. pavilion, 147. outdoors, 148. illuminate

149. re\_\_\_\_\_le energy *adj.* capable of being renewed, extended, or replaced
150. su\_\_\_d for the job *adj.* appropriate, fitting, or acceptable for a particular purpose or occasion; matched or corresponding to a specific person, dress, or circumstances
151. the fle\_\_\_\_\_ty of the body *n.* the quality of changing or being changed easily according to new conditions or situations
152. ac\_\_\_\_\_e milestones *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
153. wi\_\_\_\_\_ll blades *n.* a machine that uses wind power to generate mechanical energy or electricity
154. cor\_\_\_\_\_nd with a foreign student *v.* to match or be similar to something else almost exactly; to exchange messages
155. help ta\_\_\_e climate change *v.* to try to deal with a complex problem or situation
156. in\_\_\_\_\_l a chairperson *v.* to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
157. en\_\_\_\_\_us amount *adj.* extremely large or great
158. f\_\_t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
159. dec\_\_\_\_\_ze their manufacturing process *v.* to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy

ANSWERS: 149. renewable, 150. suited, 151. flexibility, 152. achieve, 153. windmill, 154. correspond, 155. tackle, 156. install, 157. enormous, 158. feat, 159. decarbonize



160. score an ad\_\_\_\_\_ge *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
161. well-su\_\_\_\_d personality *adj.* appropriate, fitting, or acceptable for a particular purpose or occasion; matched or corresponding to a specific person, dress, or circumstances
162. g\_\_m amount *n.* a metric unit of weight equal to one-thousandth of a kilogram
163. eq\_\_p an army *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
164. com\_\_\_\_\_ize idea *v.* to make something available for sale or use on a large scale
165. 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
166. op\_\_\_\_s technology *n.* the academic study of vision and light
167. get a con\_\_\_\_\_nal loan *adj.* based on or following traditional rules, standards, customs, etc.
168. learning cu\_\_e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
169. criminal on death r\_w *n.* an arrangement of objects or people side by side in a line
170. effects of cl\_\_\_\_\_e change *n.* the weather in a particular location averaged over some long period

ANSWERS: 160. advantage, 161. suited, 162. gram, 163. equip, 164. commercialize, 165. germ, 166. optics, 167. conventional, 168. curve, 169. row, 170. climate

171. ex\_\_\_\_\_t a valuable opportunity      *v.* to make full use of and gain an advantage from resources, opportunities, etc.
172. a so\_\_r eclipse      *adj.* of, from, or relating to the sun
173. a cold cl\_\_\_\_\_e      *n.* the weather in a particular location averaged over some long period
174. ef\_\_\_\_\_nt operation      *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
175. a con\_\_\_\_\_nal style      *adj.* based on or following traditional rules, standards, customs, etc.
176. di\_\_\_\_\_y artwork      *v.* to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value
177. the so\_\_r system      *adj.* of, from, or relating to the sun
178. mental fle\_\_\_\_\_ty      *n.* the quality of changing or being changed easily according to new conditions or situations
179. si\_\_\_\_\_n wafer      *n.* a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers
180. la\_\_\_\_\_te table      *n.* a material made by bonding together two or more layers of different materials, often used in furniture or flooring

ANSWERS: 171. exploit, 172. solar, 173. climate, 174. efficient, 175. conventional, 176. display, 177. solar, 178. flexibility, 179. silicon, 180. laminate

181. energy-ef\_\_\_\_\_nt appliances *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
182. l\_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
183. e\_\_t a gamma ray *v.* to give off or send out something such as light, heat, sound, gas, etc.
184. re\_\_\_\_\_le subscriptions *adj.* capable of being renewed, extended, or replaced
185. e\_\_t air pollution *v.* to give off or send out something such as light, heat, sound, gas, etc.
186. the exp\_\_\_\_\_ion of fossil resources *n.* the process of making some area of land or water more profitable or productive or useful
187. use of inn\_\_\_\_\_ve technology *adj.* introducing or using new methods, ideas, etc.
188. pa\_\_l discussion *n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
189. a con\_\_\_\_\_us row of warehouses *adj.* occurring or existing without a pause or interruption
190. an ex\_\_\_\_\_ve force *adj.* greater than what seems necessary, normal, or desirable
191. or\_\_\_\_\_c soils *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

ANSWERS: 181. efficient, 182. lab, 183. emit, 184. renewable, 185. emit, 186. exploitation, 187. innovative, 188. panel, 189. continuous, 190. excessive, 191. organic

192. average fuel con\_\_\_\_\_on      *n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials
193. a reg\_\_\_\_\_te sinner      *v.* to improve or renew an area, institution, system, etc., especially by making it more active or successful
194. ut\_\_\_\_\_e a different approach      *v.* to use something for a practical purpose in an effective way
195. co\_\_\_\_\_ct a dam      *v.* to build or create something; to assemble or combine different parts to form something whole
196. po\_\_r bears      *adj.* relating to, or close to, the North or South Pole; characterized by complete opposites
197. fl\_\_\_\_\_le schedules      *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
198. he\_\_\_\_\_n head bolt      *n.* a six-sided polygon with six angles and six sides of equal length
199. ra\_\_o of boys to girls      *n.* the relative size or amount of one thing to another, typically expressed in the form of a fraction or decimal
200. ov\_\_\_\_\_ze tire      *adj.* larger than the normal or standard size
201. la\_\_\_\_\_te flooring      *n.* a material made by bonding together two or more layers of different materials, often used in furniture or flooring
202. an information pr\_\_\_\_\_er      *n.* a person or an organization that supplies somebody with something needed or wanted

ANSWERS: 192. consumption, 193. regenerate, 194. utilize, 195. construct, 196. polar, 197. flexible, 198. hexagon, 199. ratio, 200. oversize, 201. laminate, 202. provider

203. critical m\_\_s *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
204. take ex\_\_\_\_\_ve care *adj.* greater than what seems necessary, normal, or desirable
205. the pr\_\_\_\_\_er of the family *n.* a person or an organization that supplies somebody with something needed or wanted
206. the con\_\_\_\_\_on of food *n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials
207. eq\_\_p our children with some special skills *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
208. beginning of the ind\_\_\_\_\_al revolution *adj.* of or relating to or resulting from industry
209. gl\_\_\_\_\_r retreat *n.* a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole
210. a r\_w of cherry trees *n.* an arrangement of objects or people side by side in a line
211. 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
212. ho\_\_\_d on drugs *adj.* being caught or caught up in something; curved down like an eagle's beak
213. in\_\_\_\_\_te the room from sound *v.* to protect something by interposing material that prevents heat, noise, electricity, etc.

ANSWERS: 203. mass, 204. excessive, 205. provider, 206. consumption, 207. equip, 208. industrial, 209. glacier, 210. row, 211. carbon, 212. hooked, 213. insulate

214. fiber op___s	<i>n.</i>	the academic study of vision and light
215. r__l down his cheeks	<i>v.</i>	to move in a particular direction by turning over and over or from side to side
216. the te_____ue applied to construction	<i>n.</i>	a particular way or art of doing something that needs skill
217. combined ox__e	<i>n.</i>	a chemical compound that contains at least one oxygen atom and one other element
218. the local chamber of co_____ce	<i>n.</i>	the activity of buying and selling things, especially on a large scale
219. the en_____ty of the task	<i>n.</i>	the quality of being extremely evil or wicked; the vastness of size or extent
220. perfect mi_____e	<i>n.</i>	a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties
221. notable in _____ce	<i>n.</i>	a particular example or single occurrence of something
222. brand l__o	<i>n.</i>	a symbol or design that represents a company, organization, or product used on packaging, advertisements, and other materials
223. el_____fy a manufacturing process	<i>v.</i>	to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

ANSWERS: 214. optics, 215. roll, 216. technique, 217. oxide, 218. commerce, 219. enormity, 220. mixture, 221. instance, 222. logo, 223. electrify

224. stylistically inn\_\_\_\_\_ve works *adj.* introducing or using new methods, ideas, etc.
225. landscape ar\_\_\_\_\_ct *n.* a person whose job is to design plans to be used in making something, such as buildings
226. permanently ne\_\_\_\_\_l country *adj.* not helping or assisting either side in a conflict, argument, etc.
227. ex\_\_\_\_\_e sports *adj.* very great in amount or degree
228. bankrupt cr\_\_\_\_\_or *n.* a person, company, etc. to whom a debtor owes money
229. po\_\_r regions *adj.* relating to, or close to, the North or South Pole; characterized by complete opposites
230. ex\_\_\_\_\_e weather events *adj.* very great in amount or degree
231. ho\_\_\_\_d hair *adj.* being caught or caught up in something; curved down like an eagle's beak
232. pr\_\_\_\_\_le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works
233. at\_\_\_\_h a file to an e-mail *v.* to fasten, join, or connect one thing to another
234. ballad op\_\_a *n.* a drama set to music, in which the words are sung rather than spoken
235. fu\_\_\_\_\_on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 224. innovative, 225. architect, 226. neutral, 227. extreme, 228. creditor, 229. polar, 230. extreme, 231. hooked, 232. principle, 233. attach, 234. opera, 235. function

236. say def\_\_\_\_\_ly *adv.* without any question and beyond doubt; clearly
237. lig\_\_\_\_\_ht aircraft *adj.* composed of thinner and lighter material than average; not severe or impressive
238. 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
239. 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
240. 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
241. su\_\_\_\_\_te cell *n.* a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act
242. ind\_\_\_\_\_al alcohol *adj.* of or relating to or resulting from industry
243. p\_\_p a secret out of success *v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
244. memory s\_\_t *n.* a long, narrow opening or groove, typically one that is cut into a hard material, that is designed to receive and hold an object in place

ANSWERS: 236. definitely, 237. lightweight, 238. carbon, 239. compound, 240. germ, 241. substrate, 242. industrial, 243. pump, 244. slot



245. principles of sus\_\_\_\_\_le  
development
246. l\_\_o design
247. reg\_\_\_\_\_te bone tissue
248. ex\_\_\_\_\_t a security hole
249. a silicon su\_\_\_\_\_te
250. a cultured pe\_\_l
251. classic arc\_\_\_\_\_ure
252. ta\_\_\_e the issue
- adj.* able to continue or be continued for a long time
- n.* a symbol or design that represents a company, organization, or product used on packaging, advertisements, and other materials
- v.* to improve or renew an area, institution, system, etc., especially by making it more active or successful
- v.* to make full use of and gain an advantage from resources, opportunities, etc.
- n.* a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act
- n.* a hard, roundish object found within the shells of certain mollusks and used as a gem
- n.* the art and science of designing and constructing buildings
- v.* to try to deal with a complex problem or situation

ANSWERS: 245. sustainable, 246. logo, 247. regenerate, 248. exploit, 249. substrate, 250. pearl, 251. architecture, 252. tackle

## Session 3: Fill in the Blanks

1. The tubules are responsible for the \_\_\_\_\_ of sodium once filtered by the kidneys.
  - n.* the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation
2. It is an incredible \_\_\_\_\_ to climb Mount Everest, the highest mountain in the world.
  - n.* a notable or impressive achievement, especially one that requires great skill or bravery
3. The country has \_\_\_\_\_ oil and natural gas resources.
  - adj.* present in great quantity
4. The heavy snow has been \_\_\_\_\_ since last morning.
  - adj.* occurring or existing without a pause or interruption
5. A \_\_\_\_\_ of economic advisers from the United States visited the country to help rebuild its economy.
  - n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
6. The political party \_\_\_\_\_ after much internal fighting.
  - v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
7. The city is known for its impressive \_\_\_\_\_ and beautiful old buildings.
  - n.* the art and science of designing and constructing buildings

ANSWERS: 1. reabsorption, 2. feat, 3. abundant, 4. continuous, 5. panel, 6. dissolved, 7. architecture

8. The cook \_\_\_\_\_ the leftover oxtail to make soup.  
*v.* to use something for a practical purpose in an effective way
9. Einstein's new \_\_\_\_\_ theory transformed traditional scientific notions about light.  
*n.* the academic study of vision and light
10. The \_\_\_\_\_ of water to sugar in the recipe is 1:2.  
*n.* the relative size or amount of one thing to another, typically expressed in the form of a fraction or decimal
11. I will work hard to \_\_\_\_\_ my goals and realize my dreams.  
*v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
12. We \_\_\_\_\_ our mining resources to strengthen our national power.  
*v.* to make full use of and gain an advantage from resources, opportunities, etc.
13. The production of \_\_\_\_\_ fuels requires massive volumes of fresh water.  
*adj.* capable of being renewed, extended, or replaced
14. The blood's red coloring comes from iron \_\_\_\_\_.  
*n.* a chemical compound that contains at least one oxygen atom and one other element
15. She is very \_\_\_\_\_ in her thoughts.  
*adj.* based on or following traditional rules, standards, customs, etc.
16. During \_\_\_\_\_ farmers are incredibly busy.  
*n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm

ANSWERS: 8. utilized, 9. optics, 10. ratio, 11. achieve, 12. exploit, 13. renewable, 14. oxide, 15. conventional, 16. harvest,

17. The movie was \_\_\_\_\_ dramatic, with exaggerated emotions and cliched plot twists.

*adv.* to a greater degree than is appropriate or desirable

18. Table tennis is an \_\_\_\_\_ sport.

*adj.* located, happened, or used inside a building

19. The new washing machine is much more \_\_\_\_\_ than the old one.

*adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

20. Jockey's superior \_\_\_\_\_ brought him victory.

*n.* a particular way or art of doing something that needs skill

21. He does not \_\_\_\_\_ importance to these rumors.

*v.* to fasten, join, or connect one thing to another

22. It seems \_\_\_\_\_ that he has forgotten our scheduled meeting.

*adj.* likely to happen or likely to be true

23. In our country, water \_\_\_\_\_ usually decreases during the winter.

*n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials

24. In \_\_\_\_\_ private corporations provide healthcare services.

*n.* the act or process of adding something to something else; the process of adding numbers

ANSWERS: 17. overly, 18. indoor, 19. efficient, 20. technique, 21. attach, 22. probable, 23. consumption, 24. addition,

25. She loves to hike \_\_\_\_\_ and explore nature.  
*adv.* in or into the open air; outside a building or structure
26. The sponge \_\_\_\_\_ water well.  
*v.* to take in a fluid or other substance gradually
27. The new president was \_\_\_\_\_ immediately after the national election.  
*v.* to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
28. The \_\_\_\_\_ of the financial fraud was uncovered after years of investigation.  
*n.* the quality of being extremely evil or wicked; the vastness of size or extent
29. 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
30. There will be an \_\_\_\_\_ lecture for new students this afternoon.  
*n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment
31. \_\_\_\_\_ is the second most abundant element on earth after oxygen.  
*n.* a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers
32. We have to seek methods to \_\_\_\_\_ its fossil fuel economy.  
*v.* to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy

ANSWERS: 25. outdoors, 26. absorbs, 27. installed, 28. enormity, 29. germ, 30. orientation, 31. Silicon, 32. decarbonize

33. He was exhausted and \_\_\_\_\_ into bed as soon as he got home.  
*v.* to move in a particular direction by turning over and over or from side to side
34. The revitalization of technology companies is \_\_\_\_\_ to the country's growth.  
*adj.* extremely vital or necessary
35. The development of thin-film \_\_\_\_\_ has allowed for a wider range of applications in building design.  
*n.* a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels
36. The government should do more to support environmentally \_\_\_\_\_ agriculture.  
*adj.* able to continue or be continued for a long time
37. Our company found it \_\_\_\_\_ difficult to keep up with the competition.  
*adv.* more and more
38. 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
39. The numbers on the sign \_\_\_\_\_ to points on the map.  
*v.* to match or be similar to something else almost exactly; to exchange messages
40. The countertop in my kitchen is made of durable \_\_\_\_\_ material.  
*n.* a material made by bonding together two or more layers of different materials, often used in furniture or flooring

ANSWERS: 33. rolled, 34. crucial, 35. photovoltaics, 36. sustainable, 37. increasingly, 38. carbon, 39. correspond, 40. laminate

41. The paint was a \_\_\_\_\_ of different pigments to achieve the desired color.  
*n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties
42. \_\_\_\_\_ design has become more focused on human nature aspect than ever before.  
*adj.* of or relating to or resulting from industry
43. She wore a \_\_\_\_\_ necklace passed down to her from her grandmother.  
*n.* a hard, roundish object found within the shells of certain mollusks and used as a gem
44. She loves going to the \_\_\_\_\_ house and hearing the beautiful music.  
*n.* a drama set to music, in which the words are sung rather than spoken
45. This typhoon was the most \_\_\_\_\_ in years.  
*adj.* causing a great deal of destruction or damage
46. The paper is \_\_\_\_\_ worth reading thoroughly.  
*adv.* without any question and beyond doubt; clearly
47. The fog \_\_\_\_\_ the city, making it difficult to see.  
*v.* to surround and cover completely; to encase
48. The outermost electron \_\_\_\_\_ determines the chemical properties of an atom.  
*n.* hard outer covering or case of eggs, nuts, some seeds, and some animals
49. I asked the lawyer to initiate \_\_\_\_\_ negotiations for voluntary liquidation.  
*n.* a person, company, etc. to whom a debtor owes money

ANSWERS: 41. mixture, 42. Industrial, 43. pearl, 44. opera, 45. devastating, 46. definitely, 47. enveloped, 48. shell, 49. creditor

50. Loud noises might harm the fragile ear \_\_\_\_\_.
- n.* a soft, thin layer that forms animal or vegetable tissue
51. The Queen attested the \_\_\_\_\_ of state ministers to their portfolios.
- n.* the act or process of fixing furniture, a machine, or a piece of equipment into position so that it can be used; the act or process of putting into an office or a position
52. These articles cite five \_\_\_\_\_ of climate change.
- n.* a particular example or single occurrence of something
53. One of the main \_\_\_\_\_ of the new product is its increased efficiency.
- n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
54. 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
55. The new CEO's primary mission is to \_\_\_\_\_ the company on the verge of bankruptcy.
- v.* to improve or renew an area, institution, system, etc., especially by making it more active or successful
56. Strategic \_\_\_\_\_ of cutting-edge technology would be a sure formula for success.
- n.* the process of making some area of land or water more profitable or productive or useful

ANSWERS: 50. membrane, 51. installation, 52. instances, 53. advantages, 54. process, 55. regenerate, 56. exploitation



57. We choose transportation that has a smaller carbon \_\_\_\_\_.
- n.* a mark of a foot, shoe, or animal's foot left on a surface
58. A legislative speaker should always be \_\_\_\_\_.
- adj.* not helping or assisting either side in a conflict, argument, etc.
59. The honeycomb structure of a beehive is made up of \_\_\_\_\_.
- n.* a six-sided polygon with six angles and six sides of equal length
60. Hydrogen and oxygen \_\_\_\_\_ to form water.
- v.* to join or merge to form a single thing or group
61. The baker covered the cake with \_\_\_\_\_ to prevent it from burning in the oven.
- n.* a thin and flexible sheet of metal, such as aluminum, used for wrapping or covering items; a literary device in which a character's actions or words are used to contrast or highlight the actions or words of another character; (verb) to prevent someone from succeeding in their plans or actions
62. I inserted the coin into the \_\_\_\_\_ and hit the button to start the game.
- n.* a long, narrow opening or groove, typically one that is cut into a hard material, that is designed to receive and hold an object in place
63. The brain is an incredibly complex organ that controls the body's \_\_\_\_\_.
- n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
64. The Prime Minister will pay a courtesy visit to the Nobel laureate's \_\_\_\_\_.
- n.* a workplace for the conduct of scientific research; a laboratory

ANSWERS: 57. footprint, 58. neutral, 59. hexagons, 60. combine, 61. foil, 62. slot, 63. function, 64. lab

65. The \_\_\_\_\_ in the road was so sharp that I had to slow down to navigate it safely.
- n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
66. He was alert and could not \_\_\_\_\_ any critical information out of him.
- v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
67. His \_\_\_\_\_ to the charity was a generous donation of money.
- n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause
68. Enhanced rail \_\_\_\_\_ is crucial for our business.
- n.* a system for moving people or products from one location to another using automobiles, roads, and so on
69. The product developed through years of research continues to \_\_\_\_\_ the market.
- v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
70. He found that it is difficult to \_\_\_\_\_ socially.
- v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups
71. Efficiency isn't an essential \_\_\_\_\_ here; fairness is.
- n.* a fundamental law or truth that explains or controls how something happens or works

ANSWERS: 65. curve, 66. pump, 67. contribution, 68. transportation, 69. electrify, 70. integrate, 71. principle

72. He was the leader of the demonstrators and spoke out against the war in the front \_\_\_\_.
- n.* an arrangement of objects or people side by side in a line
73. Shakespeare's output of poetry was \_\_\_\_\_.
- adj.* extremely large or great
74. The countryside was dotted with picturesque \_\_\_\_\_.
- n.* a machine that uses wind power to generate mechanical energy or electricity
75. He \_\_\_\_\_ hypotheses that no mathematician has ever imagined before.
- v.* to build or create something; to assemble or combine different parts to form something whole
76. During the unloading, the container box \_\_\_\_\_ a clicking sound.
- v.* to give off or send out something such as light, heat, sound, gas, etc.
77. \_\_\_\_\_ animals are graceful and efficient swimmers.
- adj.* relating to, or close to, the North or South Pole; characterized by complete opposites
78. The coach explained a strategy to \_\_\_\_\_ the opponent's schemes to the players.
- v.* to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something
79. The company is trying to \_\_\_\_\_ its new product.
- v.* to make something available for sale or use on a large scale

ANSWERS: 72. row, 73. enormous, 74. windmills, 75. constructs, 76. emits, 77. Polar, 78. frustrate, 79. commercialize

80. A gentle \_\_\_\_\_ concealed his powerfulness.

*n.* the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant

81. Little children tend to have \_\_\_\_\_ friends.

*adj.* existing only in someone's mind

82. The scientist used a digital \_\_\_\_\_ to measure the exact thickness of the material.

*n.* a tool for measuring small distances or dimensions, typically accurate to within one-thousandth of a millimeter

83. You can be more \_\_\_\_\_ and creative in your approach.

*adj.* able to change or be changed to suit new conditions or situations; able to bend easily

84. My \_\_\_\_\_ standards are quite different from hers.

*adj.* connected with the enjoyment or study of beauty

85. 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

86. The building \_\_\_\_\_ tried to build the house above the tree.

*n.* a person whose job is to design plans to be used in making something, such as buildings

87. The \_\_\_\_ of people who do not own property is politically impotent.

*n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

ANSWERS: 80. facade, 81. imaginary, 82. micrometer, 83. flexible, 84. aesthetic, 85. compound, 86. architect, 87. mass

88. We are developing plant-derived \_\_\_\_\_ to reduce environmental impact.  
*n.* a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules
89. 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
90. There are five distinct \_\_\_\_\_ at five unique wavelengths.  
*n.* the act of production or sending out gas, heat, light, etc.
91. Government workers cannot \_\_\_\_\_ to political campaigns.  
*v.* to give something, especially money or goods, to provide or achieve something together with other people
92. The \_\_\_\_\_ imaging camera was used to detect heat signatures in the dark.  
*adj.* relating to heat or temperature; designed for or capable of producing or maintaining heat
93. People select Internet \_\_\_\_\_ not only in terms of price but also in terms of transmission speed.  
*n.* a person or an organization that supplies somebody with something needed or wanted
94. The kidney is an \_\_\_\_\_ component of the body.  
*adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
95. I must install a new programming \_\_\_\_\_ for my computer program to function properly.  
*n.* a self-contained unit or component of a larger system or structure; a standardized unit of computer hardware or software designed to perform a specific function

ANSWERS: 88. polymers, 89. molecule, 90. emissions, 91. contribute, 92. thermal, 93. providers, 94. organic, 95. module

96. The service was \_\_\_\_\_ and the food was quite delicious.  
*adj.* without spaces or breaks between one part and the next
97. \_\_\_\_\_ and weather have an impact on every part of our lifestyles.  
*n.* the weather in a particular location averaged over some long period
98. The \_\_\_\_\_ process can be long and difficult, but it is worth it for the love of a child.  
*n.* the action or fact of legally taking another's child as one's own; the act of accepting with approval
99. The focus of these initiatives is to make the financial system more \_\_\_\_\_.  
*adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
100. The job offer was perfectly \_\_\_\_\_ to her skills and experience.  
*adj.* appropriate, fitting, or acceptable for a particular purpose or occasion; matched or corresponding to a specific person, dress, or circumstances
101. The government is determined to \_\_\_\_\_ sharp inflation.  
*v.* to try to deal with a complex problem or situation
102. Her resistance \_\_\_\_\_ under his persuasion.  
*v.* to turn from something solid into something soft or liquid as a result of heating
103. This company has invested heavily in Internet \_\_\_\_\_.  
*n.* the activity of buying and selling things, especially on a large scale
104. Solar gravity creates \_\_\_\_\_ pressures and temperatures.  
*adj.* very great in amount or degree

ANSWERS: 96. seamless, 97. Climate, 98. adoption, 99. transparent, 100. suited, 101. tackle, 102. melted, 103. commerce, 104. extreme

105. My son was \_\_\_\_\_ on the Internet.

*adj.* being caught or caught up in something; curved down like an eagle's beak

106. The Prime Minister stressed the need to create \_\_\_\_\_ industries.

*adj.* introducing or using new methods, ideas, etc.

107. The construction company \_\_\_\_\_ the building with an earthquake-resistant device.

*v.* to provide a person or a place with the things that are needed for a particular purpose or activity

108. The \_\_\_\_\_ jacket was too big for her, but she still wore it because she liked the style.

*adj.* larger than the normal or standard size

109. It would be best if you did not demand such an \_\_\_\_\_ charge.

*adj.* greater than what seems necessary, normal, or desirable

110. 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

111. Vitamin D is essential to assist the \_\_\_\_\_ of calcium from food.

*n.* a process in which one substance permeates another; a fluid permeates or is dissolved by a liquid or solid

112. Powder coating protects the \_\_\_\_\_ aluminum alloy components.

*adj.* composed of thinner and lighter material than average; not severe or impressive

ANSWERS: 105. hooked, 106. innovative, 107. equipped, 108. oversize, 109. excessive, 110. specific, 111. absorption, 112. lightweight

113. That biologist \_\_\_\_\_ the mechanism of heredity.

- v. to light something or to make something lighter or brighter; to make something free from confusion or ambiguity

114. We dealt with those problems with speed and \_\_\_\_\_.

- n. the quality of changing or being changed easily according to new conditions or situations

115. A smaller car will \_\_\_\_\_ less fuel.

- v. to spend something, especially fuel, energy, or time, in a large amount

116. The \_\_\_\_\_ of the ice age have shaped Fjord.

- n. a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole

117. The outdoor wedding reception was held in a beautiful \_\_\_\_\_ overlooking the lake.

- n. a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings

118. We had our bedroom \_\_\_\_\_ before winter came.

- v. to protect something by interposing material that prevents heat, noise, electricity, etc.

119. \_\_\_\_\_ panels have greatly improved not only in performance but also in durability.

- adj. of, from, or relating to the sun

120. We need to \_\_\_\_\_ our products in an attractive way to attract customers.

- v. to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value

ANSWERS: 113. illuminated, 114. flexibility, 115. consume, 116. glaciers, 117. pavilion, 118. insulated, 119. Solar, 120. display



121. Mercury is the closest \_\_\_\_\_ to the sun.

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

122. Relations between the two countries have been relatively \_\_\_\_\_ due to the summit meeting.

- adj.* firm and steady; not easily moved, disturbed, or changed

123. The company's \_\_\_\_\_ was on the side of the building.

- n.* a symbol or design that represents a company, organization, or product used on packaging, advertisements, and other materials

124. Computational simulations help determine which \_\_\_\_\_ molecule is susceptible to change by specific enzymes.

- n.* a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act

125. The \_\_\_\_\_ on my bike broke, leaving me stranded.

- n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle

126. How much is it per one hundred \_\_\_\_\_

- n.* a metric unit of weight equal to one-thousandth of a kilogram

ANSWERS: 121. planet, 122. stable, 123. logo, 124. substrate, 125. chain, 126. grams?