

# Englist.me



## Vocabulary Builder Reference from...

Gavin Schmidt: The emergent patterns of climate change | TED Talk

[https://www.ted.com/talks/gavin\\_schmidt\\_the\\_emergent\\_patterns\\_of\\_climate\\_change](https://www.ted.com/talks/gavin_schmidt_the_emergent_patterns_of_climate_change)

### All Words

#### IMPORTANT

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## Session 1: Word List

### complexity

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

*synonym*: intricacy, sophistication, elaboration

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

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

### environment

*n.* the natural world such as air, water, and land in which humans, animals, and plants live

*synonym*: atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

### dynamism

*n.* the quality of being characterized by continuous change, activity, and progress; energy or forcefulness in movement or action

*synonym*: energy, liveliness, vigor

(1) the **dynamism** of the market, (2) creative **dynamism**

The **dynamism** of the new CEO has revitalized the struggling company.

## satellite

*n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

*synonym* : orbiter, asteroid, moon

(1) a GPS **satellite**, (2) a meteorological **satellite**

Launching an artificial **satellite** contributed to the technological development of our country.

## photograph

*n.* a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film

*synonym* : photo, picture, snapshot

(1) **photograph** album, (2) **photograph** memories

I found an old **photograph** of my grandparents from their wedding day.

## endlessly

*adv.* in a way that continues for a long time or seems to have no end or limit

*synonym* : ceaselessly, interminably, unceasingly

(1) repeat **endlessly**, (2) worry **endlessly** about our future

The procession of demonstrators was **endlessly** continuing.

## chop

*v.* to cut something into pieces with a sharp tool, such as a knife

*synonym* : cut, hack, slice

(1) **chop** wood, (2) **chop** a meet with a knife

The cook **chopped** the vegetables for the soup.

## 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.

## norm

*n.* something that is regarded as usual, typical, or standard  
*synonym*: criterion, mean, standard

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

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

## reduction

*n.* a decrease in size, amount, or degree  
*synonym*: diminution, decrease, cutback

(1) **reduction** strategy, (2) a gradual **reduction**

The **reduction** in carbon emissions has been significant since the implementation of the new policy.

## laboratory

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

*synonym*: lab, workshop, testing room

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

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

## enormous

*adj.* extremely large or great

*synonym*: huge, giant, gigantic

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

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

## magnitude

*n.* the extent, level, importance, or amount of something

*synonym*: size, extent, level

(1) a star of the first **magnitude**, (2) the **magnitude** of the disaster

The **magnitude** of the earthquake was measured at 7.8 on the Richter scale.

## roughly

*adv.* approximately but not precisely; with a violent manner

*synonym*: approximately, more or less, around

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

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

- microscopic** *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy  
*synonym* : infinitesimal, tiny, atomic  
(1) **microscopic** inquiry, (2) **microscopic** analysis  
Inspectors noticed **microscopic** cracks in the submarine's hull.
- particle** *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance  
*synonym* : atom, grain, bit  
(1) charged **particle**, (2) **particle** energy  
We can calculate the position of the **particles** statistically.
- 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.
- spatial** *adj.* of or relating space and the position, area, and size of things  
*synonym* : dimensional, geographical  
(1) **spatial** ability, (2) **spatial** distribution  
He carefully determined the **spatial** relations of every piece of the stage set.
- millennium** *n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)  
(1) past **millennium**, (2) **millennium** bottle of wine  
Our world is in the third **millennium**.
- calculate** *v.* to judge or find out the amount or number of something by using mathematics  
*synonym* : compute, figure, estimate  
(1) **calculate** the distance, (2) **calculate** his credit score  
He couldn't **calculate** the actual value of the artwork.

## physics

*n.* the science of matter and energy and their interactions  
(1) nuclear **physics**, (2) laws of **physics**  
He studied the **physics** of radiation.

## span

*n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers  
*synonym* : interval, period, length  
(1) the **span** of a bird's wings, (2) the average life **span**  
He slightly modified the **span** of training because it was just before a match.

## resolve

*v.* to find a suitable answer to the problems or difficulty  
*synonym* : decide, determine, fix  
(1) **resolve** a dispute, (2) **resolve** the computer error  
This company **resolves** its battery problem completely.

## 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.

## approximate

*adj.* nearly accurate or correct, but not completely so  
*synonym* : rough, close, near  
(1) linear **approximate** equation, (2) **approximate** time  
The **approximate** cost of the project was estimated to be around \$500,000.

## chunk

*n.* a thick and solid mass or piece of something  
*synonym* : block, lump, piece  
(1) a **chunk** of money, (2) a tiny **chunk** of meat

The new start-up company carved out a large **chunk** of the market within a year.

## calculation

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

*synonym*: analysis, computation, estimate

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

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

## punch

*v.* to strike someone or something with one's fist; to make a hole in something

*synonym*: hit, strike, slap

(1) **punch** out numbers, (2) **punch** a ticket

He **punched** the wall in anger.

## communal

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

*synonym*: collaborative, combined, collective

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

**Communal** elections were held in several European countries.

## arctic

*adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold

*synonym*: cold, frozen, polar

(1) **arctic** ice, (2) high **arctic**

Cold temperatures and long, dark winters characterize the **arctic** climate.

## equation

*n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

(1) the **equation** of poverty with ignorance, (2) a chemical **equation**

In this class, you will learn how to solve quadratic **equations**.

## **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.

## **flux**

*n.* the state of constantly changing or flowing; the rate of flow of energy or particles across a particular place

*synonym* : flow, change, motion

(1) **flux** density, (2) **flux** of particles

The town's population was in **flux**, with many people moving in and out.

## **encapsulate**

*v.* to enclose or envelop something within a capsule or a membrane; to express or summarize the essence or core of something in a condensed form

*synonym* : enclose, contain, capsulize

(1) **encapsulate** the message, (2) **encapsulate** the essence

The movie can **encapsulate** the book's spirit, bringing it to life on screen.

## **dissipate**

*v.* to disperse or scatter widely

*synonym* : scatter, disperse, evaporate

(1) **dissipate** heat, (2) **dissipate** stress

The fog **dissipated**, and the air cleared up.

## **radiation**

*n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

*synonym* : dissemination, emission, irradiation

(1) exposure to **radiation**, (2) electromagnetic **radiation**

He tried every possible treatment, including chemotherapy and **radiation** therapy.

## **atmosphere**

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

*synonym* : air, ambiance, circumstances

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

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

## 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.

## vegetation

*n.* plants in general, particularly those indigenous to a particular region or spot

*synonym* : flora, leafage, foliage

(1) tropical **vegetation**, (2) dense **vegetation**

The **vegetation** in the area is quite diverse.

## 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.

## soil

*n.* the top layer of Earth in which plants grow

*synonym* : earth, ground, mud

(1) **soils** retentive of moisture, (2) parched **soil**

**Soil** moisture is another significant component controlling soil respiration.

## representation

*n.* the act of speaking, acting, or being present on behalf of someone officially; a statement of facts and reasons made in appealing or protesting

*synonym* : delegacy, manifestation, expression

(1) sales **representation**, (2) binary **representation**

A person who has been declared incompetent should have legal **representation**.



## emergent

*adj.* starting to exist or view, or to become known

*synonym* : coming, appearing, developing

(1) **emergent** repair of an aorta, (2) an **emergent** republic  
Extensive areas of **emergent** plants are usually called marsh.

## swirl

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

*synonym* : spin, whirl, turn

(1) **swirl** the wine, (2) **swirl** up dirt and dust  
The chef expertly **swirled** the sauce onto the plate.

## cyclone

*n.* a violent, rotating windstorm that forms over tropical waters and can cause extensive damage to coastal regions, also known as a hurricane or typhoon, depending on the region in which it occurs

*synonym* : tornado, twister, hurricane

(1) **cyclone** warning, (2) devastating **cyclone**  
The **cyclone's** strong winds and rough seas severely impacted the fishing industry.

## gulf

*n.* a large ocean inlet or deep bay that is partially enclosed by land

*synonym* : chasm, divide, abyss

(1) **gulf** war, (2) **gulf** stream  
The **Gulf** of Mexico is a body of water in the southern United States.

## pacific

*adj.* peaceful in character or intent; tending to lessen or avoid conflict; calm or soothing in manner or tone;  
(noun, as "Pacific") the largest and deepest of Earth's oceanic divisions

*synonym* : calm, peaceful, tranquil

(1) **pacific-natured** disposition, (2) the **Pacific** Ocean  
They adopted a **pacific** approach to resolving their differences, emphasizing dialogue and understanding.

## atmospheric

*adj.* about or located in the earth's atmosphere

*synonym* : atmospherical, climatic

- (1) doubling of **atmospheric** carbon dioxide,
- (2) **atmospheric** pressure

The sea surface temperature and **atmospheric** circulation are inextricably linked.

## interaction

- n.* the act of connecting with someone, mainly when working, playing, or spending time with them

*synonym* : dealings, exchange, relations

- (1) the **interaction** between man and his environment,
- (2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

## mention

- v.* to speak or write about something or someone briefly

*synonym* : reference, allude, cite

- (1) **mention** name, (2) **mention** in a report

I **mentioned** to him that I had seen his sister at the grocery store earlier that day.

## wiggle

- v.* to move or cause to move up and down or from side to side in short and quick movements

*synonym* : wiggle, jiggle, squirm

- (1) **wiggle** her lips, (2) **wiggle** with excitement

Her hips **wiggle** as she walks.

## spin

- v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

*synonym* : rotate, twirl, swirl

- (1) **spin** a top, (2) **spin** thread out of cotton

The tornado is **spinning** across the countryside, destroying everything in its path.

## wobble

- v.* to move or shake unsteadily from side to side or up and down

*synonym* : sway, rock, totter

- (1) **wobble** a few steps, (2) **wobble** chair

The table **wobbled** a little when I put my drink on it.

## orbit

*n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels

*synonym* : path, course, trajectory

(1) the **orbit** of the moon, (2) a planetary **orbit**

The rocket engine is used to put the satellite into **orbit**.

## volcano

*n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

*synonym* : mount, peak, crater

(1) **volcano** alert level, (2) active **volcano**

The island was formed by a **volcano** millions of years ago.

## biomass

*n.* the total quantity of living matter in a given unit of environment, including plants, animals, and microorganisms

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

The **biomass** in a forest can be measured by collecting and weighing all living plants within a specific area.

## aerosol

*n.* a substance enclosed under pressure and released as a fine spray, typically one used for medical purposes or cosmetic application

*synonym* : spray, mist, fog

(1) **aerosol** container, (2) **aerosol** can

She waited a few seconds after spraying the **aerosol** insecticide before entering the room.

## ozone

*n.* a poisonous gas with the chemical formula O<sub>3</sub>, which has a strong smell

(1) **ozone** depletion, (2) atmospheric **ozone**

The **ozone** layer is vital for blocking some harmful sun rays.

## deforest

v. to clear an area of forest or trees

*synonym*: clear-cut, strip, denude

(1) **deforest** a mountain, (2) **deforest** millions of acres

The company planned to **deforest** a large rainforest area to make way for a new plantation.

## evaporate

v. to turn a liquid into a gas; to become less intense and disappear gradually

*synonym*: vaporize, disappear, vanish

(1) **evaporate** the water, (2) **evaporate** almost overnight

The sun will **evaporate** the mist.

## greenhouse

n. a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in

*synonym*: conservatory

(1) exotic plants in a **greenhouse**, (2) emissions of **greenhouse** gases

The **greenhouse** effect is a phenomenon that happens naturally.

## evaluate

v. to assess or estimate the quality, significance, quantity, or value of something

*synonym*: assess, estimate, consider

(1) **evaluate** the grant proposal, (2) **evaluate** a situation

The meeting aims to **evaluate** possible choices.

## advisedly

adv. done with careful consideration or thought; deliberately or intentionally

*synonym*: deliberately, purposely, intentionally

(1) consider **advisedly**, (2) speak **advisedly**

He **advisedly** chose not to take any risks before the important exam.

## observe

v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

*synonym* : watch, monitor, scrutinize

(1) **observe** a tradition, (2) **observe** wildlife

It is important to **observe** safety procedures in the workplace to prevent accidents.

## temperature

*n.* the degree of hotness or coldness of a thing or place

*synonym* : climate, warmth, degree

(1) extreme **temperatures**, (2) the atmospheric

**temperature**

Cities around the world set records for highest **temperatures** this summer.

## stratosphere

*n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer

*synonym* : upper atmosphere, ozone layer

(1) **stratosphere** layer, (2) **stratosphere** ozone

The ozone layer, which protects us from harmful UV radiation, is in the **stratosphere**.

## eruption

*n.* an instance of a sudden and violent release of lava, gas, or ash from a volcano; a sudden outburst or explosion of something

*synonym* : explosion, outburst, burst

(1) **eruption** alert level, (2) emotional **eruption**

The volcanic **eruption** caused widespread destruction and left the area covered in ash.

## mount

*v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone

*synonym* : climb, increase, get on

(1) **mount** a hill, (2) **mount** a counterattack

They **mounted** pictures on the paper in preparation for the birthday card.

## balance

*n.* a condition in which everything has the same weight or force; something left after other parts have been taken away

*synonym*: equilibrium, counterpoise, remainder

(1) the **balance** of power, (2) asset on the company's **balance** sheet

Try to keep a **balance** between work and off.

## associate

*v.* to mentally connect someone or something with someone or something else

*synonym*: tie in, link, consociate

(1) **associate** alcohol with gambling, (2) **associate** with people widely

The majority of consumers **associate** this brand with quality.

## trend

*n.* a general direction in which something is changing or developing

*synonym*: direction, movement, tendency

(1) an international **trend**, (2) the **trend** away from television

The oil price continued their downward **trend**.

## outburst

*n.* a sudden, violent, and uncontrolled expression of emotion, usually anger or excitement; a sudden release of energy or feeling

*synonym*: outcry, eruption, explosion

(1) **outburst** of applause, (2) violent **outburst**

My boss's sudden **outburst** shocked and scared me.

## Atlantic

*adj.* relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east

(1) **Atlantic** breeze, (2) **Atlantic** salmon

The **Atlantic** hurricane season runs from June to November each year.

- scope** *n.* the range of one's perceptions, thoughts, or actions, or a subject that  
*synonym*: content, coverage, extent  
(1) **scope** of a project, (2) have broad **scope**  
The **scope** of human thought is diverse.
- interact** *v.* to communicate or react with somebody  
*synonym*: cooperate, combine, collaborate  
(1) **interact** directly with customers, (2) **interact** with one another  
He should **interact** more with his colleagues.
- 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.
- dot** *n.* a very small circular mark, especially one that is printed  
*synonym*: drop, dab, fleck  
(1) connecting the **dots**, (2) **dot** blot method  
The wallpaper had a pattern of pink **dots** on a white surface.
- intersect** *v.* to meet or cross one another  
*synonym*: cross, bisect, cut  
(1) **intersect** at a point, (2) railways **intersect** the country  
Her multidisciplinary works **intersect** music and picture with writing.
- rainfall** *n.* the amount of rain that falls in a specific location at a particular moment  
*synonym*: downpour, drizzle, rain  
(1) the mean annual **rainfall**, (2) heavy **rainfall**  
These plants thrive in hot climates with abundant **rainfall**.

## **pollution**

*n.* the introduction of harmful substances or waste into the natural environment that causes adverse change

*synonym* : corrosion, deterioration, corruption

(1) environmental **pollution**, (2) high levels of air **pollution**

The **pollution** is endangering the local plants and animals.

## **wisp**

*n.* a thin, delicate strand or vestige of something, such as smoke, vapor, or a piece of hair; a faint, barely perceptible indication or hint of something; a small creature or fairy, often depicted as a hovering, translucent figure

*synonym* : strand, thread, filament

(1) a **wisp** of mist, (2) a **wisp** of conversation

The **wisp** of smoke from the candle added to the room's cozy ambiance.

## **sulfur**

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

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

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

## **sunlight**

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

*synonym* : daylight, rays, sunshine

(1) a glare of **sunlight**, (2) in direct **sunlight**

Radiation from **sunlight** has a different wavelength.

## **combination**

*n.* a collection of things that have been combined; an assemblage of separate parts or qualities

*synonym* : blend, hybrid, compounding

(1) genic **combinations**, (2) **combination** number

The **combination** to the safe was a secret.

## **coexist**

*v.* to live or exist together at the same time in the same place



*synonym* : cohabit, accompany, synchronize

(1) **coexist** with nature, (2) **coexist** with diversity

The different species can **coexist** in the same ecosystem by filling different niches and using different resources.

## observation

*n.* the act or activity of carefully examining or monitoring something or someone

*synonym* : watching, notice, reflection

(1) class **observation** day, (2) **observation** instrument

In the hospital, she will remain under constant **observation**.

## variability

*n.* the fact or quality of something being likely to vary

*synonym* : variance, unevenness, inconstancy

(1) natural **variability**, (2) climate **variability**

There is considerable **variability** in all the test scores.

## 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**.

## phrase

*n.* a group of words that mean something specific when used together

*synonym* : expression, idiom, term

(1) ready-made **phrases**, (2) noun **phrase**

We bought a Spanish **phrase** book.

## obvious

*adj.* easy to see, discover or understand

*synonym* : apparent, conspicuous, evident

(1) **obvious** reasons, (2) his conclusion was **obvious**

There are **obvious** differences between the two wine-producing regions.

### unfortunately

*adv.* by bad luck; unluckily

*synonym* : regrettably, unluckily, alas

(1) **unfortunately** caught in a shower, (2) even more **unfortunately**

The treatments were done but, **unfortunately**, were unsuccessful.

### uncertain

*adj.* not being sure of something; not being able to choose

*synonym* : doubtful, skeptical, pending

(1) numerous **uncertain** factors, (2) take an **uncertain** attitude

She was **uncertain** about her friend's intentions.

### mitigate

*v.* to make less severe or less intense; to alleviate or lessen the adverse effects of something

*synonym* : alleviate, relieve, reduce

(1) **mitigate** risk, (2) **mitigate** a natural disaster

Efforts to **mitigate** the effects of climate change require a coordinated and sustained effort by governments, businesses, and individuals.

### 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.

### business-as-usual

*adj.* continuing or proceeding in the same way as usual, despite adverse events or circumstances

*synonym* : routine, normal, standard

(1) **business-as-usual** approach, (2) maintain **business-as-usual**

Even though there was a crisis, the company tried to continue

with **business-as-usual**.

## attitude

*n.* the way you think and feel about someone or something  
*synonym*: mindset, perspective, philosophy

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

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

## chemistry

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

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

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

## depletion

*n.* the reduction of something, especially a natural resource, to a critically low level

*synonym*: exhaustion, deficiency, reduction

(1) **depletion** of bodily fluids, (2) **depletion** of ozone

The **depletion** of natural resources is a major concern for environmentalists.

## develop

*v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

*synonym*: evolve, progress, advance

(1) **develop** a strategy, (2) **develop** a skill

We must **develop** a new system to streamline our workflow and increase efficiency.

## prediction

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

*synonym*: forecast, anticipation, foretelling

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

These results muddied the **prediction**.

## Session 2: Spelling

1. the Pa\_\_\_\_\_c Ocean  
*adj.* peaceful in character or intent; tending to lessen or avoid conflict; calm or soothing in manner or tone; (noun, as "Pacific") the largest and deepest of Earth's oceanic divisions
2. sp\_\_\_\_\_l ability  
*adj.* of or relating space and the position, area, and size of things
3. climate var\_\_\_\_\_ty  
*n.* the fact or quality of something being likely to vary
4. re\_\_\_\_\_e a dispute  
*v.* to find a suitable answer to the problems or difficulty
5. s\_\_n a top  
*v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
6. unf\_\_\_\_\_ely caught in a shower  
*adv.* by bad luck; unluckily
7. bus\_\_\_\_\_ual approach  
*adj.* continuing or proceeding in the same way as usual, despite adverse events or circumstances
8. ro\_\_\_\_\_y speaking  
*adv.* approximately but not precisely; with a violent manner
9. str\_\_\_\_\_ere layer  
*n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
10. sc\_\_e of a project  
*n.* the range of one's perceptions, thoughts, or actions, or a subject that

ANSWERS: 1. pacific, 2. spatial, 3. variability, 4. resolve, 5. spin, 6. unfortunately, 7. business-as-usual, 8. roughly, 9. stratosphere, 10. scope

11. c\_\_p a meet with a knife  
*v.* to cut something into pieces with a sharp tool, such as a knife
12. the average life s\_\_n  
*n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
13. ae\_\_\_\_l container  
*n.* a substance enclosed under pressure and released as a fine spray, typically one used for medical purposes or cosmetic application
14. past mil\_\_\_\_\_um  
*n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)
15. mic\_\_\_\_\_ic inquiry  
*adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
16. consider ad\_\_\_\_\_ly  
*adv.* done with careful consideration or thought; deliberately or intentionally
17. mil\_\_\_\_\_um bottle of wine  
*n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)
18. ev\_\_\_\_\_te almost overnight  
*v.* to turn a liquid into a gas; to become less intense and disappear gradually
19. wi\_\_\_e her lips  
*v.* to move or cause to move up and down or from side to side in short and quick movements
20. At\_\_\_\_\_ic breeze  
*adj.* relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east

ANSWERS: 11. chop, 12. span, 13. aerosol, 14. millennium, 15. microscopic, 16. advisedly, 17. millennium, 18. evaporate, 19. wiggle, 20. Atlantic

21. de\_\_\_\_\_on of bodily fluids      *n.* the reduction of something, especially a natural resource, to a critically low level
22. pho\_\_\_\_\_ph memories      *n.* a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
23. violent ou\_\_\_\_\_st      *n.* a sudden, violent, and uncontrolled expression of emotion, usually anger or excitement; a sudden release of energy or feeling
24. ob\_\_\_\_\_s reasons      *adj.* easy to see, discover or understand
25. silver ox\_\_\_e      *n.* a chemical compound that contains at least one oxygen atom and one other element
26. global em\_\_\_\_\_ons of greenhouse gases      *n.* the act of production or sending out gas, heat, light, etc.
27. maintain bus\_\_\_\_\_ual      *adj.* continuing or proceeding in the same way as usual, despite adverse events or circumstances
28. 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
29. com\_\_\_\_\_on number      *n.* a collection of things that have been combined; an assemblage of separate parts or qualities

ANSWERS: 21. depletion, 22. photograph, 23. outburst, 24. obvious, 25. oxide, 26. emission, 27. business-as-usual, 28. process, 29. combination

30. su\_\_\_r mine *n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications
31. mic\_\_\_\_\_ic analysis *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
32. binary rep\_\_\_\_\_ion *n.* the act of speaking, acting, or being present on behalf of someone officially; a statement of facts and reasons made in appealing or protesting
33. cultural n\_\_\_m *n.* something that is regarded as usual, typical, or standard
34. ev\_\_\_\_\_te the grant proposal *v.* to assess or estimate the quality, significance, quantity, or value of something
35. a GPS sa\_\_\_\_\_te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
36. atmospheric oz\_\_\_e *n.* a poisonous gas with the chemical formula O<sub>3</sub>, which has a strong smell
37. parched s\_\_\_l *n.* the top layer of Earth in which plants grow
38. the eq\_\_\_\_\_on of poverty with ignorance *n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

ANSWERS: 30. sulfur, 31. microscopic, 32. representation, 33. norm, 34. evaluate, 35. satellite, 36. ozone, 37. soil, 38. equation

39. co\_\_\_\_al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
40. connecting the d\_ts *n.* a very small circular mark, especially one that is printed
41. m\_\_t down gold *v.* to turn from something solid into something soft or liquid as a result of heating
42. en\_\_\_\_us potential *adj.* extremely large or great
43. combined ox\_\_e *n.* a chemical compound that contains at least one oxygen atom and one other element
44. the ma\_\_\_\_\_de of the disaster *n.* the extent, level, importance, or amount of something
45. mo\_\_t a counterattack *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
46. ca\_\_\_\_\_te the distance *v.* to judge or find out the amount or number of something by using mathematics
47. s\_\_ls retentive of moisture *n.* the top layer of Earth in which plants grow
48. mi\_\_\_\_\_te a natural disaster *v.* to make less severe or less intense; to alleviate or lessen the adverse effects of something
49. take an un\_\_\_\_\_in attitude *adj.* not being sure of something; not being able to choose

ANSWERS: 39. communal, 40. dot, 41. melt, 42. enormous, 43. oxide, 44. magnitude, 45. mount, 46. calculate, 47. soil, 48. mitigate, 49. uncertain



50. high levels of air po\_\_\_\_\_on      *n.* the introduction of harmful substances or waste into the natural environment that causes adverse change
51. high ar\_\_\_\_c      *adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold
52. carbon dioxide in the atm\_\_\_\_\_re      *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
53. doubling of atm\_\_\_\_\_ic carbon dioxide      *adj.* about or located in the earth's atmosphere
54. f\_\_x of particles      *n.* the state of constantly changing or flowing; the rate of flow of energy or particles across a particular place
55. the s\_\_n of a bird's wings      *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
56. em\_\_\_\_\_nt repair of an aorta      *adj.* starting to exist or view, or to become known
57. lab\_\_\_\_\_ry accident      *n.* a workplace for doing scientific research or teaching science; a lab
58. cy\_\_\_\_\_e warning      *n.* a violent, rotating windstorm that forms over tropical waters and can cause extensive damage to coastal regions, also known as a hurricane or typhoon, depending on the region in which it occurs
59. sw\_\_l up dirt and dust      *v.* to move in a circular or spiral pattern

ANSWERS: 50. pollution, 51. arctic, 52. atmosphere, 53. atmospheric, 54. flux, 55. span, 56. emergent, 57. laboratory, 58. cyclone, 59. swirl

60. access to public tr\_\_\_\_\_rt      *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
61. de\_\_\_\_\_st a mountain      *v.* to clear an area of forest or trees
62. wo\_\_\_\_\_e chair      *v.* to move or shake unsteadily from side to side or up and down
63. co\_\_\_\_\_t with nature      *v.* to live or exist together at the same time in the same place
64. heavy ra\_\_\_\_\_ll      *n.* the amount of rain that falls in a specific location at a particular moment
65. ou\_\_\_\_\_st of applause      *n.* a sudden, violent, and uncontrolled expression of emotion, usually anger or excitement; a sudden release of energy or feeling
66. tropical veg\_\_\_\_\_on      *n.* plants in general, particularly those indigenous to a particular region or spot
67. dense veg\_\_\_\_\_on      *n.* plants in general, particularly those indigenous to a particular region or spot
68. the ch\_\_\_\_\_ry of soil      *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
69. effects of cl\_\_\_\_\_e change      *n.* the weather in a particular location averaged over some long period
70. noun ph\_\_\_\_\_e      *n.* a group of words that mean something specific when used together
71. the em\_\_\_\_\_on of light      *n.* the act of production or sending out gas, heat, light, etc.

ANSWERS: 60. transport, 61. deforest, 62. wobble, 63. coexist, 64. rainfall, 65. outburst, 66. vegetation, 67. vegetation, 68. chemistry, 69. climate, 70. phrase, 71. emission

72. de\_\_\_\_\_on of ozone *n.* the reduction of something, especially a natural resource, to a critically low level
73. c\_\_p wood *v.* to cut something into pieces with a sharp tool, such as a knife
74. a w\_\_p of conversation *n.* a thin, delicate strand or vestige of something, such as smoke, vapor, or a piece of hair; a faint, barely perceptible indication or hint of something; a small creature or fairy, often depicted as a hovering, translucent figure
75. extreme tem\_\_\_\_\_res *n.* the degree of hotness or coldness of a thing or place
76. m\_\_t the ice *v.* to turn from something solid into something soft or liquid as a result of heating
77. 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
78. the int\_\_\_\_\_on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
79. numerous un\_\_\_\_\_in factors *adj.* not being sure of something; not being able to choose
80. the atmospheric tem\_\_\_\_\_re *n.* the degree of hotness or coldness of a thing or place
81. chaotic env\_\_\_\_\_nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 72. depletion, 73. chop, 74. wisp, 75. temperature, 76. melt, 77. planet, 78. interaction, 79. uncertain, 80. temperature, 81. environment

82. 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
83. the or \_\_t of the moon *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
84. exotic plants in a gre \_\_\_\_\_se *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
85. co \_\_\_\_al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
86. at \_\_\_\_de toward mistakes *n.* the way you think and feel about someone or something
87. int \_\_\_\_\_on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
88. cal \_\_\_\_\_on of loss and gain *n.* the act or process of using numbers to judge an amount of something
89. wi \_\_\_\_e with excitement *v.* to move or cause to move up and down or from side to side in short and quick movements
90. de \_\_\_\_p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

ANSWERS: 82. organic, 83. orbit, 84. greenhouse, 85. communal, 86. attitude, 87. interaction, 88. calculation, 89. wiggle, 90. develop

91. anthropology lab\_\_\_\_\_ry      *n.* a workplace for doing scientific research or teaching science; a lab
92. the dy\_\_\_\_\_sm of the market      *n.* the quality of being characterized by continuous change, activity, and progress; energy or forcefulness in movement or action
93. linear app\_\_\_\_\_te equation      *adj.* nearly accurate or correct, but not completely so
94. pa\_\_\_\_\_le energy      *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
95. str\_\_\_\_\_ere ozone      *n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
96. 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
97. active vo\_\_\_\_\_o      *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
98. in direct su\_\_\_\_\_ht      *n.* the light emitted by the sun; the rays of the sun
99. electromagnetic ra\_\_\_\_\_on      *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

ANSWERS: 91. laboratory, 92. dynamism, 93. approximate, 94. particle, 95. stratosphere, 96. organic, 97. volcano, 98. sunlight, 99. radiation

100. asset on the company's ba\_\_\_\_e sheet *n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
101. in\_\_\_\_\_ct at a point *v.* to meet or cross one another
102. ob\_\_\_\_\_e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
103. di\_\_\_\_\_te heat *v.* to disperse or scatter widely
104. ae\_\_\_\_\_l can *n.* a substance enclosed under pressure and released as a fine spray, typically one used for medical purposes or cosmetic application
105. ready-made ph\_\_\_\_es *n.* a group of words that mean something specific when used together
106. atm\_\_\_\_\_ic pressure *adj.* about or located in the earth's atmosphere
107. emissions of gre\_\_\_\_\_se gases *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
108. ca\_\_\_\_\_te his credit score *v.* to judge or find out the amount or number of something by using mathematics
109. obs\_\_\_\_\_on instrument *n.* the act or activity of carefully examining or monitoring something or someone
110. ar\_\_\_\_c ice *adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold

ANSWERS: 100. balance, 101. intersect, 102. observe, 103. dissipate, 104. aerosol, 105. phrase, 106. atmospheric, 107. greenhouse, 108. calculate, 109. observation, 110. arctic

111. 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
112. ev\_\_\_\_\_te a situation *v.* to assess or estimate the quality, significance, quantity, or value of something
113. g\_\_f war *n.* a large ocean inlet or deep bay that is partially enclosed by land
114. genic com\_\_\_\_\_ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
115. pu\_\_h a ticket *v.* to strike someone or something with one's fist; to make a hole in something
116. enc\_\_\_\_\_te the essence *v.* to enclose or envelop something within a capsule or a membrane; to express or summarize the essence or core of something in a condensed form
117. bi\_\_\_\_\_s energy *n.* the total quantity of living matter in a given unit of environment, including plants, animals, and microorganisms
118. a w\_\_p of mist *n.* a thin, delicate strand or vestige of something, such as smoke, vapor, or a piece of hair; a faint, barely perceptible indication or hint of something; a small creature or fairy, often depicted as a hovering, translucent figure
119. creative dy\_\_\_\_\_sm *n.* the quality of being characterized by continuous change, activity, and progress; energy or forcefulness in movement or action

ANSWERS: 111. carbon, 112. evaluate, 113. gulf, 114. combination, 115. punch, 116. encapsulate, 117. biomass, 118. wisp, 119. dynamism

120. vo\_\_\_\_o alert level *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
121. decision-making pr\_\_\_\_s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
122. su\_\_\_\_r dioxide *n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications
123. ev\_\_\_\_te the water *v.* to turn a liquid into a gas; to become less intense and disappear gradually
124. d\_t blot method *n.* a very small circular mark, especially one that is printed
125. app\_\_\_\_te time *adj.* nearly accurate or correct, but not completely so
126. wo\_\_\_\_e a few steps *v.* to move or shake unsteadily from side to side or up and down
127. pho\_\_\_\_ph album *n.* a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film

ANSWERS: 120. volcano, 121. process, 122. sulfur, 123. evaporate, 124. dot, 125. approximate, 126. wobble, 127. photograph



128. tr\_\_\_\_\_rt facilities *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
129. devastating cy\_\_\_\_\_e *n.* a violent, rotating windstorm that forms over tropical waters and can cause extensive damage to coastal regions, also known as a hurricane or typhoon, depending on the region in which it occurs
130. his conclusion was ob\_\_\_\_\_s *adj.* easy to see, discover or understand
131. fuel bi\_\_\_\_\_s *n.* the total quantity of living matter in a given unit of environment, including plants, animals, and microorganisms
132. professor of ch\_\_\_\_\_ry *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
133. com\_\_\_\_\_ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
134. f\_\_x density *n.* the state of constantly changing or flowing; the rate of flow of energy or particles across a particular place
135. sw\_\_l the wine *v.* to move in a circular or spiral pattern
136. de\_\_\_\_\_st millions of acres *v.* to clear an area of forest or trees
137. the mean annual ra\_\_\_\_\_ll *n.* the amount of rain that falls in a specific location at a particular moment
138. a convivial atm\_\_\_\_\_re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

ANSWERS: 128. transport, 129. cyclone, 130. obvious, 131. biomass, 132. chemistry, 133. complexity, 134. flux, 135. swirl, 136. deforest, 137. rainfall, 138. atmosphere

139. a ch\_\_k of money *n.* a thick and solid mass or piece of something
140. speak ad\_\_\_\_\_ly *adv.* done with careful consideration or thought; deliberately or intentionally
141. a planetary or\_\_t *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
142. s\_\_n thread out of cotton *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
143. the ba\_\_\_\_\_e of power *n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
144. co\_\_\_\_\_t with diversity *v.* to live or exist together at the same time in the same place
145. me\_\_\_\_\_n name *v.* to speak or write about something or someone briefly
146. class obs\_\_\_\_\_on day *n.* the act or activity of carefully examining or monitoring something or someone
147. in\_\_\_\_\_ct directly with customers *v.* to communicate or react with somebody
148. a cold cl\_\_\_\_\_e *n.* the weather in a particular location averaged over some long period
149. env\_\_\_\_\_nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 139. chunk, 140. advisedly, 141. orbit, 142. spin, 143. balance, 144. coexist, 145. mention, 146. observation, 147. interact, 148. climate, 149. environment

150. de\_\_\_\_p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
151. ab\_\_\_\_b energy *v.* to take in a fluid or other substance gradually
152. cognitive com\_\_\_\_\_ty *n.* the state or quality of being complicated or intricate and difficult to understand
153. g\_\_f stream *n.* a large ocean inlet or deep bay that is partially enclosed by land
154. a meteorological sa\_\_\_\_\_te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
155. worry en\_\_\_\_\_ly about our future *adv.* in a way that continues for a long time or seems to have no end or limit
156. gloomy pre\_\_\_\_\_ons *n.* the act of predicting the future by reasoning; a statement made about the future
157. a star of the first ma\_\_\_\_\_de *n.* the extent, level, importance, or amount of something
158. a gradual re\_\_\_\_\_on *n.* a decrease in size, amount, or degree
159. an international tr\_\_d *n.* a general direction in which something is changing or developing
160. at\_\_\_\_de control *n.* the way you think and feel about someone or something

ANSWERS: 150. develop, 151. absorb, 152. complexity, 153. gulf, 154. satellite, 155. endlessly, 156. prediction, 157. magnitude, 158. reduction, 159. trend, 160. attitude

161. make my pre\_\_\_\_\_ons *n.* the act of predicting the future by reasoning; a statement made about the future
162. 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
163. a chemical eq\_\_\_\_\_on *n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign
164. ob\_\_\_\_\_e a tradition *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
165. railways in\_\_\_\_\_ct the country *v.* to meet or cross one another
166. natural var\_\_\_\_\_ty *n.* the fact or quality of something being likely to vary
167. enc\_\_\_\_\_te the message *v.* to enclose or envelop something within a capsule or a membrane; to express or summarize the essence or core of something in a condensed form
168. emotional er\_\_\_\_\_on *n.* an instance of a sudden and violent release of lava, gas, or ash from a volcano; a sudden outburst or explosion of something
169. mo\_\_t a hill *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone

ANSWERS: 161. prediction, 162. carbon, 163. equation, 164. observe, 165. intersect, 166. variability, 167. encapsulate, 168. eruption, 169. mount

170. At\_\_\_\_\_ic salmon *adj.* relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east
171. sales rep\_\_\_\_\_ion *n.* the act of speaking, acting, or being present on behalf of someone officially; a statement of facts and reasons made in appealing or protesting
172. laws of ph\_\_\_\_\_s *n.* the science of matter and energy and their interactions
173. in\_\_\_\_\_ct with one another *v.* to communicate or react with somebody
174. en\_\_\_\_\_us amount *adj.* extremely large or great
175. charged pa\_\_\_\_\_le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
176. repeat en\_\_\_\_\_ly *adv.* in a way that continues for a long time or seems to have no end or limit
177. environmental po\_\_\_\_\_on *n.* the introduction of harmful substances or waste into the natural environment that causes adverse change
178. as\_\_\_\_\_te with people widely *v.* to mentally connect someone or something with someone or something else
179. di\_\_\_\_\_te stress *v.* to disperse or scatter widely
180. exposure to ra\_\_\_\_\_on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

ANSWERS: 170. Atlantic, 171. representation, 172. physics, 173. interact, 174. enormous, 175. particle, 176. endlessly, 177. pollution, 178. associate, 179. dissipate, 180. radiation

181. er\_\_\_\_on alert level *n.* an instance of a sudden and violent release of lava, gas, or ash from a volcano; a sudden outburst or explosion of something
182. a tiny ch\_\_k of meat *n.* a thick and solid mass or piece of something
183. have broad sc\_\_e *n.* the range of one's perceptions, thoughts, or actions, or a subject that
184. pa\_\_\_\_c-natured disposition *adj.* peaceful in character or intent; tending to lessen or avoid conflict; calm or soothing in manner or tone; (noun, as "Pacific") the largest and deepest of Earth's oceanic divisions
185. nuclear ph\_\_\_\_s *n.* the science of matter and energy and their interactions
186. the tr\_\_d away from television *n.* a general direction in which something is changing or developing
187. as\_\_\_\_te alcohol with gambling *v.* to mentally connect someone or something with someone or something else
188. re\_\_\_\_on strategy *n.* a decrease in size, amount, or degree
189. mi\_\_\_\_te risk *v.* to make less severe or less intense; to alleviate or lessen the adverse effects of something
190. a glare of su\_\_\_\_ht *n.* the light emitted by the sun; the rays of the sun
191. pu\_\_h out numbers *v.* to strike someone or something with one's fist; to make a hole in something

ANSWERS: 181. eruption, 182. chunk, 183. scope, 184. pacific, 185. physics, 186. trend, 187. associate, 188. reduction, 189. mitigate, 190. sunlight, 191. punch

192. ro\_\_\_\_y explain my idea *adv.* approximately but not precisely; with a violent manner
193. n\_\_m of action *n.* something that is regarded as usual, typical, or standard
194. me\_\_\_\_n in a report *v.* to speak or write about something or someone briefly
195. make a cal\_\_\_\_\_on *n.* the act or process of using numbers to judge an amount of something
196. re\_\_\_\_\_e the computer error *v.* to find a suitable answer to the problems or difficulty
197. ab\_\_\_\_b a shock *v.* to take in a fluid or other substance gradually
198. even more unf\_\_\_\_\_ely *adv.* by bad luck; unluckily
199. oz\_\_e depletion *n.* a poisonous gas with the chemical formula O<sub>3</sub>, which has a strong smell
200. sp\_\_\_\_\_l distribution *adj.* of or relating space and the position, area, and size of things
201. an em\_\_\_\_\_nt republic *adj.* starting to exist or view, or to become known
202. 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

ANSWERS: 192. roughly, 193. norm, 194. mention, 195. calculation, 196. resolve, 197. absorb, 198. unfortunately, 199. ozone, 200. spatial, 201. emergent, 202. planet

## Session 3: Fill in the Blanks

1. The \_\_\_\_\_ of smoke from the candle added to the room's cozy ambiance.  
*n.* a thin, delicate strand or vestige of something, such as smoke, vapor, or a piece of hair; a faint, barely perceptible indication or hint of something; a small creature or fairy, often depicted as a hovering, translucent figure
2. He \_\_\_\_\_ the wall in anger.  
*v.* to strike someone or something with one's fist; to make a hole in something
3. The systems we have developed has accepted as industry \_\_\_\_\_.  
*n.* something that is regarded as usual, typical, or standard
4. My boss's sudden \_\_\_\_\_ shocked and scared me.  
*n.* a sudden, violent, and uncontrolled expression of emotion, usually anger or excitement; a sudden release of energy or feeling
5. Cold temperatures and long, dark winters characterize the \_\_\_\_\_ climate.  
*adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold
6. They adopted a \_\_\_\_\_ approach to resolving their differences, emphasizing dialogue and understanding.  
*adj.* peaceful in character or intent; tending to lessen or avoid conflict; calm or soothing in manner or tone; (noun, as "Pacific") the largest and deepest of Earth's oceanic divisions
7. The oil price continued their downward \_\_\_\_\_.  
*n.* a general direction in which something is changing or developing

ANSWERS: 1. wisp, 2. punched, 3. norms, 4. outburst, 5. arctic, 6. pacific, 7. trend



8. Extensive areas of \_\_\_\_\_ plants are usually called marsh.  
*adj.* starting to exist or view, or to become known
9. The movie can \_\_\_\_\_ the book's spirit, bringing it to life on screen.  
*v.* to enclose or envelop something within a capsule or a membrane; to express or summarize the essence or core of something in a condensed form
10. The spaceship began to burn up as it approached the Earth's \_\_\_\_\_.  
*n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
11. The sun will \_\_\_\_\_ the mist.  
*v.* to turn a liquid into a gas; to become less intense and disappear gradually
12. \_\_\_\_\_ and weather have an impact on every part of our lifestyles.  
*n.* the weather in a particular location averaged over some long period
13. This company \_\_\_\_\_ its battery problem completely.  
*v.* to find a suitable answer to the problems or difficulty
14. The \_\_\_\_\_ hurricane season runs from June to November each year.  
*adj.* relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east
15. Animal protection groups call for an end to animal testing in a \_\_\_\_\_.  
*n.* a workplace for doing scientific research or teaching science; a lab
16. The volcanic \_\_\_\_\_ caused widespread destruction and left the area covered in ash.  
*n.* an instance of a sudden and violent release of lava, gas, or ash from a volcano; a sudden outburst or explosion of something

ANSWERS: 8. emergent, 9. encapsulate, 10. atmosphere, 11. evaporate, 12. Climate, 13. resolves, 14. Atlantic, 15. laboratory, 16. eruption

17. Even though there was a crisis, the company tried to continue with \_\_\_\_\_.

*adj.* continuing or proceeding in the same way as usual, despite adverse events or circumstances

18. Try to keep a \_\_\_\_\_ between work and off.

*n.* a condition in which everything has the same weight or force; something left after other parts have been taken away

19. \_\_\_\_\_ elections were held in several European countries.

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

20. We must \_\_\_\_\_ a new system to streamline our workflow and increase efficiency.

*v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

21. In the hospital, she will remain under constant \_\_\_\_\_.

*n.* the act or activity of carefully examining or monitoring something or someone

22. Launching an artificial \_\_\_\_\_ contributed to the technological development of our country.

*n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

23. There are five distinct \_\_\_\_\_ at five unique wavelengths.

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

ANSWERS: 17. business-as-usual, 18. balance, 19. Communal, 20. develop, 21. observation, 22. satellite, 23. emissions

24. In this class, you will learn how to solve quadratic \_\_\_\_\_.
- n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign
25. The wallpaper had a pattern of pink \_\_\_\_\_ on a white surface.
- n.* a very small circular mark, especially one that is printed
26. The blood's red coloring comes from iron \_\_\_\_\_.
- n.* a chemical compound that contains at least one oxygen atom and one other element
27. Her hips \_\_\_\_\_ as she walks.
- v.* to move or cause to move up and down or from side to side in short and quick movements
28. The \_\_\_\_\_ to the safe was a secret.
- n.* a collection of things that have been combined; an assemblage of separate parts or qualities
29. The meeting aims to \_\_\_\_\_ possible choices.
- v.* to assess or estimate the quality, significance, quantity, or value of something
30. He is familiar with \_\_\_\_\_ and biology.
- n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
31. The rocket engine is used to put the satellite into \_\_\_\_\_.
- n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels

ANSWERS: 24. equations, 25. dots, 26. oxide, 27. wiggle, 28. combination, 29. evaluate, 30. chemistry, 31. orbit

32. \_\_\_\_\_ moisture is another significant component controlling soil respiration.  
*n.* the top layer of Earth in which plants grow
33. He slightly modified the \_\_\_\_\_ of training because it was just before a match.  
*n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
34. 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
35. The \_\_\_\_\_ emissions from the nearby factory caused the rotten egg smell.  
*n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications
36. The company planned to \_\_\_\_\_ a large rainforest area to make way for a new plantation.  
*v.* to clear an area of forest or trees
37. Shakespeare's output of poetry was \_\_\_\_\_.  
*adj.* extremely large or great
38. The \_\_\_\_\_ of the earthquake was measured at 7.8 on the Richter scale.  
*n.* the extent, level, importance, or amount of something
39. These results muddied the \_\_\_\_\_.  
*n.* the act of predicting the future by reasoning; a statement made about the future

ANSWERS: 32. Soil, 33. span, 34. transportation, 35. sulfur, 36. deforest, 37. enormous, 38. magnitude, 39. prediction

40. The treatments were done but, \_\_\_\_\_ were unsuccessful.  
*adv.* by bad luck; unluckily
41. The \_\_\_\_\_ of Mexico is a body of water in the southern United States.  
*n.* a large ocean inlet or deep bay that is partially enclosed by land
42. He \_\_\_\_\_ chose not to take any risks before the important exam.  
*adv.* done with careful consideration or thought; deliberately or intentionally
43. Efforts to \_\_\_\_\_ the effects of climate change require a coordinated and sustained effort by governments, businesses, and individuals.  
*v.* to make less severe or less intense; to alleviate or lessen the adverse effects of something
44. A person who has been declared incompetent should have legal \_\_\_\_\_.  
*n.* the act of speaking, acting, or being present on behalf of someone officially; a statement of facts and reasons made in appealing or protesting
45. 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
46. He should \_\_\_\_\_ more with his colleagues.  
*v.* to communicate or react with somebody
47. The majority of consumers \_\_\_\_\_ this brand with quality.  
*v.* to mentally connect someone or something with someone or something else

ANSWERS: 40. unfortunately, 41. Gulf, 42. advisedly, 43. mitigate, 44. representation, 45. process, 46. interact, 47. associate

48. She had the \_\_\_\_\_ that work was fun.  
*n.* the way you think and feel about someone or something
49. She was \_\_\_\_\_ about her friend's intentions.  
*adj.* not being sure of something; not being able to choose
50. The \_\_\_\_\_ in the area is quite diverse.  
*n.* plants in general, particularly those indigenous to a particular region or spot
51. There is considerable \_\_\_\_\_ in all the test scores.  
*n.* the fact or quality of something being likely to vary
52. The \_\_\_\_\_ effect is a phenomenon that happens naturally.  
*n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
53. 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
54. Five miles is \_\_\_\_\_ similar to eight kilometers.  
*adv.* approximately but not precisely; with a violent manner
55. The different species can \_\_\_\_\_ in the same ecosystem by filling different niches and using different resources.  
*v.* to live or exist together at the same time in the same place
56. Trees absorb \_\_\_\_\_ dioxide and give off oxygen.  
*n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

ANSWERS: 48. attitude, 49. uncertain, 50. vegetation, 51. variability, 52. greenhouse, 53. planet, 54. roughly, 55. coexist, 56. carbon

57. The ozone layer, which protects us from harmful UV radiation, is in the \_\_\_\_\_.
- n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
58. Every human is responsible for taking care of the Earth's \_\_\_\_\_.
- n.* the natural world such as air, water, and land in which humans, animals, and plants live
59. The \_\_\_\_\_ strong winds and rough seas severely impacted the fishing industry.
- n.* a violent, rotating windstorm that forms over tropical waters and can cause extensive damage to coastal regions, also known as a hurricane or typhoon, depending on the region in which it occurs
60. He studied the \_\_\_\_\_ of radiation.
- n.* the science of matter and energy and their interactions
61. The \_\_\_\_\_ in a forest can be measured by collecting and weighing all living plants within a specific area.
- n.* the total quantity of living matter in a given unit of environment, including plants, animals, and microorganisms
62. He tried every possible treatment, including chemotherapy and \_\_\_\_\_ therapy.
- n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
63. The procession of demonstrators was \_\_\_\_\_ continuing.
- adv.* in a way that continues for a long time or seems to have no end or limit

ANSWERS: 57. stratosphere, 58. environment, 59. cyclone's, 60. physics, 61. biomass, 62. radiation, 63. endlessly

64. We bought a Spanish \_\_\_\_\_ book.

*n.* a group of words that mean something specific when used together

65. The tornado is \_\_\_\_\_ across the countryside, destroying everything in its path.

*v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

66. The project's \_\_\_\_\_ made it difficult for the team to complete it on time.

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

67. Inspectors noticed \_\_\_\_\_ cracks in the submarine's hull.

*adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy

68. The town's population was in \_\_\_\_\_ with many people moving in and out.

*n.* the state of constantly changing or flowing; the rate of flow of energy or particles across a particular place

69. The \_\_\_\_\_ layer is vital for blocking some harmful sun rays.

*n.* a poisonous gas with the chemical formula O<sub>3</sub>, which has a strong smell

70. The \_\_\_\_\_ of natural resources is a major concern for environmentalists.

*n.* the reduction of something, especially a natural resource, to a critically low level

71. The sponge \_\_\_\_\_ water well.

*v.* to take in a fluid or other substance gradually

72. The new start-up company carved out a large \_\_\_\_\_ of the market within a year.

*n.* a thick and solid mass or piece of something

ANSWERS: 64. phrase, 65. spinning, 66. complexity, 67. microscopic, 68. flux, 69. ozone, 70. depletion, 71. absorbs, 72. chunk



73. The sea surface temperature and \_\_\_\_\_ circulation are inextricably linked.

*adj.* about or located in the earth's atmosphere

74. The \_\_\_\_\_ cost of the project was estimated to be around \$500,000.

*adj.* nearly accurate or correct, but not completely so

75. Cities around the world set records for highest \_\_\_\_\_ this summer.

*n.* the degree of hotness or coldness of a thing or place

76. There are \_\_\_\_\_ differences between the two wine-producing regions.

*adj.* easy to see, discover or understand

77. He carefully determined the \_\_\_\_\_ relations of every piece of the stage set.

*adj.* of or relating space and the position, area, and size of things

78. We can calculate the position of the \_\_\_\_\_ statistically.

*n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance

79. The fog \_\_\_\_\_ and the air cleared up.

*v.* to disperse or scatter widely

80. Our world is in the third \_\_\_\_\_.

*n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)

81. The chef expertly \_\_\_\_\_ the sauce onto the plate.

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

ANSWERS: 73. atmospheric, 74. approximate, 75. temperatures, 76. obvious, 77. spatial, 78. particles, 79. dissipated, 80. millennium, 81. swirled

82. It is important to \_\_\_\_\_ safety procedures in the workplace to prevent accidents.
- v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
83. I \_\_\_\_\_ to him that I had seen his sister at the grocery store earlier that day.
- v.* to speak or write about something or someone briefly
84. These plants thrive in hot climates with abundant \_\_\_\_\_.
- n.* the amount of rain that falls in a specific location at a particular moment
85. He couldn't \_\_\_\_\_ the actual value of the artwork.
- v.* to judge or find out the amount or number of something by using mathematics
86. Her multidisciplinary works \_\_\_\_\_ music and picture with writing.
- v.* to meet or cross one another
87. The \_\_\_\_\_ of the two groups is good for brainstorming.
- n.* the act of connecting with someone, mainly when working, playing, or spending time with them
88. She waited a few seconds after spraying the \_\_\_\_\_ insecticide before entering the room.
- n.* a substance enclosed under pressure and released as a fine spray, typically one used for medical purposes or cosmetic application
89. 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

ANSWERS: 82. observe, 83. mentioned, 84. rainfall, 85. calculate, 86. intersect, 87. interaction, 88. aerosol, 89. organic

90. The \_\_\_\_\_ of human thought is diverse.  
*n.* the range of one's perceptions, thoughts, or actions, or a subject that
91. Radiation from \_\_\_\_\_ has a different wavelength.  
*n.* the light emitted by the sun; the rays of the sun
92. Her resistance \_\_\_\_\_ under his persuasion.  
*v.* to turn from something solid into something soft or liquid as a result of heating
93. The island was formed by a \_\_\_\_\_ millions of years ago.  
*n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
94. The cook \_\_\_\_\_ the vegetables for the soup.  
*v.* to cut something into pieces with a sharp tool, such as a knife
95. The table \_\_\_\_\_ a little when I put my drink on it.  
*v.* to move or shake unsteadily from side to side or up and down
96. I found an old \_\_\_\_\_ of my grandparents from their wedding day.  
*n.* a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
97. They \_\_\_\_\_ pictures on the paper in preparation for the birthday card.  
*v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone

ANSWERS: 90. scope, 91. sunlight, 92. melted, 93. volcano, 94. chopped, 95. wobbled, 96. photograph, 97. mounted

98. The \_\_\_\_\_ of the new CEO has revitalized the struggling company.
- n.* the quality of being characterized by continuous change, activity, and progress; energy or forcefulness in movement or action
99. The \_\_\_\_\_ is endangering the local plants and animals.
- n.* the introduction of harmful substances or waste into the natural environment that causes adverse change
100. The error in the \_\_\_\_\_ was attributable to rounding.
- n.* the act or process of using numbers to judge an amount of something
101. The \_\_\_\_\_ in carbon emissions has been significant since the implementation of the new policy.
- n.* a decrease in size, amount, or degree

ANSWERS: 98. dynamism, 99. pollution, 100. calculation, 101. reduction