

# Englist.me



## Vocabulary Builder Reference from...

Jean-Baptiste P. Koehl: The continents are moving.

When will they collide? | TED Talk

[https://www.ted.com/talks/jean\\_baptiste\\_p\\_koehl\\_the\\_continents\\_are\\_moving\\_when\\_will\\_they\\_collide](https://www.ted.com/talks/jean_baptiste_p_koehl_the_continents_are_moving_when_will_they_collide)

### All Words

#### IMPORTANT

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## Session 1: Word List

### meteorology

*n.* the branch of science that deals with processes in the Earth's atmosphere that cause weather conditions

(1) agricultural **meteorology**, (2) marine **meteorology**

He conducted his research at the **meteorology** laboratory using large-scale computing.

### striking

*adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner

*synonym*: arresting, astonishing, exceptional

(1) **striking** innovation, (2) **striking** evidence

The two plays have many **striking** parallels.

### 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**.

### propose

*v.* to make a proposal, declare a plan for something

*synonym*: suggest, offer, recommend

(1) **propose** the amendment, (2) **propose** changes

I want to **propose** a toast in honor of our longstanding

relationship.

## controversial

*adj.* causing a lot of hot public discussion and dispute

*synonym* : contentious, disputed, questionable

(1) **controversial** book, (2) **controversial** policy

The issue of the death penalty is highly **controversial**.

## continent

*n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex

*synonym* : landmass, (adjective) chaste, (adjective) pure

(1) the inland of a **continent**, (2) **continent** urinary diversion

Flight across the **continent** was a daring adventure in its day.

## gigantic

*adj.* extremely large

*synonym* : huge, enormous, immense

(1) **gigantic** proportions, (2) **gigantic** monsters

He was so hungry from the long journey that he had a **gigantic** appetite.

## landmass

*n.* a large area of land, especially one that is distinct from surrounding areas by its topography, geology, or biota

*synonym* : continent, mainland, landform

(1) large **landmass**, (2) continental **landmass**

Australia is the world's smallest continent by **landmass**.

## continental

*adj.* of or relating to a continent (= one of the earth's large landmasses)

*synonym* : mainland, intercontinental, transcontinental

(1) **continental** divide, (2) polar **continental** air

The **continental** breakfast at the hotel was included with the room.

## drift

*v.* to move smoothly and slowly in water or air, especially as a result of outside forces, with no control over the direction

*synonym* : float, wander, freewheel

(1) **drift** down the stream, (2) **drift** away on a raft  
I **drifted** around for years in Europe before going to university.

## contradict

v. to deny the truth of a statement by stating the opposite;  
to be in conflict with

*synonym*: conflict, oppose, belie

(1) **contradict** each other, (2) **contradict** the principle  
The book contains numerous statements that **contradict** previous reports.

## steady

*adj.* firmly fixed, supported, or balanced; not shaking or moving

*synonym*: stable, solid, secure

(1) **steady** increase, (2) take a **steady** job  
The patient's vital signs are **steady**, indicating a stable condition.

## 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**.

## advocate

*n.* a person who supports or suggests an idea, development, or way of doing something

*synonym*: proponent, exponent, promoter

(1) an **advocate** of disarmament, (2) public education  
**advocates**

**Advocates** of abolishing the death penalty often argue that the alternative heaviest sentence should be life in prison.

## convince

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

*synonym*: persuade, win over, convert

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

## 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.

## exciting

*adj.* causing a lot of interest or excitement

*synonym* : exhilarating, stimulating, thrilling

(1) **exciting** football player, (2) **exciting** news

The findings of the experiment were both **exciting** and unexpected.

## lineage

*n.* the ancestry of a person, group, or species

*synonym* : ancestry, descent, heritage

(1) maternal **lineage**, (2) **lineage** tree

Scientists traced the **lineage** of the species back millions of years by studying fossils.

## supercontinent

*n.* a large landmass that is formed by the collision and merging of several smaller continents and which then eventually breaks apart again due to tectonic forces

*synonym* : Pangaea, Rodinia, Gondwana

(1) **supercontinent** cycle, (2) **supercontinent** formation

Through a process known as plate tectonics, **supercontinents** have formed and broken apart multiple times over Earth's history.

## modern

*adj.* of or belonging to the present time or recent times

*synonym* : contemporary, stylish, current

(1) **modern** poetry, (2) pre- **modern** agricultural society

Their headquarters are in a **modern** skyscraper.

## tectonics

*n.* the study of the processes that shape the Earth's surface, including the movements of tectonic plates,

earthquakes, and volcanic activity

*synonym* : geology, plate tectonics, earth movements

(1) plate **tectonics**, (2) collision **tectonics**

Global **tectonics** plays a critical role in the formation of mountain ranges and the movement of Earth's crustal plates.

## crust

*n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture

*synonym* : layer, coating, shell

(1) **crust** formation, (2) the earth's **crust**

The bread's **crust** was golden brown and crispy.

## vast

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

*synonym* : expansive, extended, boundless

(1) **vast** majority, (2) **vast** desert

A **vast** audience viewed the broadcast.

## jagged

*adj.* having a rough and sharply uneven surface or outline

*synonym* : bumpy, irregular, craggy

(1) **jagged** edges, (2) the **jagged** outline of the crags

There are several **jagged** limestone peaks throughout the mountains.

## shift

*n.* a slight transition in position, direction, or trend

*synonym* : transition, change, modification

(1) Doppler **shift**, (2) major paradigm **shift**

Could you help me **shift** some furniture?

## molten

*adj.* in a liquid state as a result of being heated

*synonym* : melted, liquefied, fused

(1) a **molten** image, (2) **molten** lava

The **molten** metal was poured into the mold.

## mantle

*n.* a layer of rock between the surface and the core of a planet or moon; a loose sleeveless cloak or shawl; the

responsibilities of an important position or job that passes from one person to another

*synonym* : crust, cloak, cover

(1) **mantle** of power, (2) **mantle** of the presidency

The **mantle** layer on Mars is much thinner than on Earth.

## centimeter

*n.* a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter

(1) **centimeter** measurement, (2) thirty **centimeters** tall

The room was only one **centimeter** wider than the piano, making it a tight fit.

## increment

*n.* a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important

*synonym* : increase, expansion, addendum

(1) steady **incremental** growth, (2) small **increments**

The bid **increment** for this auction is \$100.

## movement

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

*synonym* : motion, progression, action

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

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

## 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.

## emerge

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

*synonym* : arise, occur, appear

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

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

## predict

*v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience

*synonym* : forecast, anticipate, foresee

(1) **predict** the future, (2) **predict** when she will arrive

It's notoriously challenging to **predict** birth rates.

## geologist

*n.* a scientist or specialist who studies geology

(1) planetary **geologist**, (2) marine **geologist**

These issues baffled **geologists** for many years.

## trace

*v.* to find or discover someone or something that was lost

*synonym* : seek, follow, depict

(1) **trace** a telephone call, (2) **trace** back to medieval times

Let's **trace** the origins of some familiar foreign words.

## magnetic

*adj.* having the properties of attracting or repelling certain materials containing iron or steel

*synonym* : attractive, drawing, hypnotic

(1) **magnetic** field, (2) a **magnetic** tape

The **magnetic** force of the earth keeps our planet spinning.

## mineral

*n.* a solid inorganic substance occurring in nature having a definite chemical composition

(1) vitamin and **minerals**, (2) **mineral** rights

The robust economy of the country is based on its **mineral** resources.

## 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.

## intense

*adj.* (especially of a feeling) very strong; extremely sharp or severe

*synonym* : extreme, fierce, harsh

(1) **intense** heat, (2) develop **intense** itching

That statement by the prime minister drew **intense** international criticism.

## discovery

*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

*synonym* : finding, uncovering, detection

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

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

## latitude

*n.* the distance of a place north or south of the earth's equator, measured in degrees; freedom from normal restraints in conduct

*synonym* : breadth, range, freedom

(1) high **latitudes**, (2) **latitude** of choice

The city is located at a **latitude** of 40 degrees north.

## locate

*v.* to specify or determine the exact position of someone or something

*synonym* : discover, find, place

(1) **locate** a missing pet, (2) **locate** a tumor

The robot can accurately **locate** construction material.

## longitude

*n.* the angular distance between a point on any meridian and the prime meridian at Greenwich

(1) a line of **longitude**, (2) astronomic **longitude**

Our country's eastern border is around **longitude** forty degrees east.

## measurement

*n.* the act or process of finding something's size, quantity, or degree

*synonym* : calculation, dimensions, size



(1) chest **measurement**, (2) a precise **measurement**  
The **measurement** error of this industrial machine is less than one micrometer.

## erase

*v.* to remove something completely, especially by rubbing it  
*synonym*: wipe out, delete, obliterate

(1) **erase** a memory, (2) **erased** the files

He attempted to **erase** the misspelled word.

## reheat

*v.* to heat something again, typically to make it hot enough to eat or drink

(1) **reheat** bathwater, (2) **reheat** a pizza

Can you please help me **reheat** this food in the microwave?

## collision

*n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict

*synonym*: crash, impact, smash

(1) **collision** detection, (2) come into **collision** with my friend

The **collision** of tectonic plates can result in new mountain ranges, such as the Himalayas or the Alps.

## volcanic

*adj.* relating to or produced by or consisting of volcano

(1) effects of **volcanic** eruptions, (2) increase in **volcanic** activity

This study indicates **volcanic** activity affects global warming.

## employ

*v.* to give somebody a job and pay them for it; to make use of

*synonym*: hire, engage, use

(1) **employ** job seekers, (2) **employ** a new method

When making arrests, police officers frequently **employ** excessive force.

## reconstruct

*v.* to build or form something again that has been damaged or destroyed

*synonym* : rebuild, revamp, reorganize

(1) **reconstruct** an image, (2) **reconstruct** the original text

They've decided to **reconstruct** a ruined castle.

## fossil

*n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock

*synonym* : relic, remnant, antediluvian

(1) burning of **fossil** fuels, (2) a **fossil** leaf

It was the **fossil** of a dinosaur tooth.

## identify

*v.* to recognize someone or something and say or prove who or what they are

*synonym* : determine, specify, recognize

(1) **identify** handwriting, (2) **identify** gene sequences

I will introduce you to how to **identify** the leading causes of the malfunction.

## crack

*v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking

*synonym* : snap, burst, break

(1) **crack** an eggshell, (2) a **crack** in a board

He that would eat the kernel must **crack** the nut.

## deformation

*n.* the process of changing the physical shape or form of something, usually due to external forces or pressure

*synonym* : distortion, warping, contortion

(1) **deformation** at room temperature, (2) **deformation** of structures

Various factors, including pressure, temperature, and the application of external forces, can cause the **deformation** of rocks.

## reliable

*adj.* worthy of being relied on; trustworthy

*synonym* : dependable, trustworthy, dedicated

(1) **reliable** access, (2) guarantee **reliable** delivery

Trains are **reliable**, inexpensive, and ideal for long-distance travel.

## 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.

## cycle

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

*synonym* : revolution, rotation, bike

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

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

## diverge

*v.* to move or extend in different directions from a common point; to branch off or deviate from a path or course

*synonym* : separate, split, part

(1) **diverge** from tradition, (2) **diverge** from the main topic

As tectonic plates **diverge**, new oceanic crust is formed along mid-ocean ridges.

## assemble

*v.* to collect in one place as a single group

*synonym* : gather, congregate, collect

(1) **assemble** your colleagues, (2) **assemble** a jigsaw puzzle

The president began to **assemble** an army.

## certainty

*n.* the state of being certain

*synonym* : inevitability, confidence, assurance

(1) scientific **certainty**, (2) reach **certainty** about the theory  
Through investigation, his suspicions hardened into **certainty**.

## collide

*v.* to hit something violently when moving

*synonym*: clash, slam, contradict

(1) **collide** head-on, (2) **collide** in midair

The interests of the two countries **collide**.

## 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**.

## upheaval

*n.* great change, disruption, or disturbance; (geology) a rise of land to a higher elevation

*synonym*: disturbance, turmoil, upheaval

(1) **upheaval** of society, (2) the big **upheaval** of my life

The recent political **upheaval** has left the country in a state of chaos.

## vulnerable

*adj.* capable of being hurt or influenced physically or mentally

*synonym*: susceptible, exposed, weak

(1) a **vulnerable** bridge, (2) **vulnerable** parts of the body

Infants and pregnant women are particularly **vulnerable**.

## exposed

*adj.* having no protection or shield from something, such as bad weather, attack, or criticism

*synonym*: endangered, revealed, disclosed

(1) **exposed** to radiation, (2) an **exposed** rock

Tech companies often employ **exposed** ducts and other materials in their office interiors.

## 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.

## 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**.

## 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**.

## eventually

*adv.* finally, particularly after a long time or a lot of struggle, complications, and so on

*synonym*: finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed

The corporation **eventually** dominated the entire tobacco business.

## 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.

## plunge

*v.* to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall

*synonym*: dive, drop, thrust

(1) **plunge** into the water, (2) **plunge** a dagger through his heart

The company's profits **plunged** after the recall of their new product.

## release

*v.* to set free or allow to escape from confinement

*synonym*: free, let go, discharge

(1) **release** a prisoner, (2) **release** CO2 into the air

The animal rights group worked to **release** the dolphins back into the wild.

## 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.

## shifting

*adj.* constantly changing or moving

*synonym*: unfirm, shifty, fluctuating

(1) **shifting** balance, (2) continuously **shifting** landscape

Trends in the fashion industry are so **shifting** that it is challenging to keep up with them.

## enlarge

*v.* to make something bigger or larger; to become bigger or larger

*synonym*: broaden, increase, widen

(1) **enlarge** a photograph, (2) **enlarge** my experience

Please **enlarge** your new theory.

## methane

*n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel

(1) atmospheric **methane**, (2) reduce **methane** emissions

The ignition of **methane** gas in the plant killed five

employees.

## 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**.

## influx

*n.* the arrival or entry of a large number of people, objects, or ideas into a place or system

*synonym*: inflow, arrival, impression

(1) **influx** of capital, (2) **influx** of tourists

The **influx** of immigrants into urban areas can create significant social, economic, and political challenges for local communities.

## 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.

## trigger

*v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function

*synonym*: activate, spark, drive

(1) **trigger** a biochemical response, (2) **trigger** inflation

The incident **triggered** a political controversy.

## 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.

## extinction

*n.* the complete disappearance of a species from the earth  
*synonym*: disappearance, eradication, annihilation

(1) **extinction** prevention, (2) brink of **extinction**

The **extinction** of the dinosaurs is thought to have been caused by an asteroid impact.

## rupture

*n.* a break or tear in something, especially a bodily tissue or a physical object

*synonym*: fracture, break, tear

(1) a **rupture** between friends, (2) the **rupture** of a blood vessel

A fault line **rupture** can cause significant damage and destruction to surrounding areas.

## fortunate

*adj.* having good luck or lucky

*synonym*: fortuitous, lucky, blessed

(1) **fortunate** situation, (2) less **fortunate** person

He was pretty **fortunate** to pass the exam.

## conduct

*v.* to organize and carry out a particular activity

*synonym*: behave, lead, carry on

(1) **conduct** a background check, (2) **conduct** research

Police will **conduct** random breath testing for drunk driving.

## basalt

*n.* a dark, fine-grained volcanic rock that forms from the solidification of lava

*synonym*: volcanic rock, lava, igneous rock

(1) **basalt** rock, (2) **basalt** glass

The hiking trail was lined with towering **basalt** columns.

## transform

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

*synonym*: alter, convert, change



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

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

## redirect

*v.* to change the direction or course of something; to send in a different direction

*synonym*: turn, divert, steer

(1) **redirect** traffic, (2) **redirect** attention

The government decided to **redirect** funding towards education and healthcare.

## vent

*n.* a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion

*synonym*: duct, outlet, venthole

(1) volcanic **vent**, (2) **vent** tube

He gave **vent** to his anger by playing the guitar.

## outcrop

*n.* a visible, exposed rock formation at the surface of the ground

*synonym*: protrusion, exposure, formation

(1) an **outcrop** of a stratum, (2) **outcrop** belt

The **outcrop** of rock provided a scenic viewpoint for the hikers.

## 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.

## Session 2: Spelling

- |                                       |  |
|---------------------------------------|--|
| 1. plate te_____cs                    | <i>n.</i> the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity                      |
| 2. sup_____ent formation              | <i>n.</i> a large landmass that is formed by the collision and merging of several smaller continents and which then eventually breaks apart again due to tectonic forces |
| 3. co_____nt urinary diversion        | <i>n.</i> one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex   |
| 4. v__t tube                          | <i>n.</i> a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion                     |
| 5. an ad_____te of disarmament        | <i>n.</i> a person who supports or suggests an idea, development, or way of doing something  |
| 6. mo___n poetry                      | <i>adj.</i> of or belonging to the present time or recent times  |
| 7. come into co_____on with my friend | <i>n.</i> an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict                                      |
| 8. cen_____er measurement             | <i>n.</i> a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter   |

ANSWERS: 1. tectonics, 2. supercontinent, 3. continent, 4. vent, 5. advocate, 6. modern, 7. collision, 8. centimeter

- |                               |   |
|-------------------------------|---|
| 9. em___e from poverty        | <i>v.</i> to move out of or away from something and become visible  |
| 10. re_____le access          | <i>adj.</i> worthy of being relied on; trustworthy  |
| 11. pr_____e changes          | <i>v.</i> to make a proposal, declare a plan for something  |
| 12. pr_____t the future       | <i>v.</i> to state beforehand that something will happen in the future, mainly based on knowledge or experience   |
| 13. ma_____ic field           | <i>adj.</i> having the properties of attracting or repelling certain materials containing iron or steel           |
| 14. v__t majority             | <i>adj.</i> enormous in size, number, amount, or quantity   |
| 15. v__t desert               | <i>adj.</i> enormous in size, number, amount, or quantity   |
| 16. rec_____ct an image       | <i>v.</i> to build or form something again that has been damaged or destroyed                                     |
| 17. re_____e CO2 into the air | <i>v.</i> to set free or allow to escape from confinement   |
| 18. astronomic lo_____de      | <i>n.</i> the angular distance between a point on any meridian and the prime meridian at Greenwich                |
| 19. agricultural met_____gy   | <i>n.</i> the branch of science that deals with processes in the Earth's atmosphere that cause weather conditions |
| 20. chest mea_____nt          | <i>n.</i> the act or process of finding something's size, quantity, or degree                                     |
| 21. mil_____um bottle of wine | <i>n.</i> a span of 1000 years, or the 1000th anniversary (plural: millennia)                                     |

ANSWERS: 9. emerge, 10. reliable, 11. propose, 12. predict, 13. magnetic, 14. vast, 15. vast, 16. reconstruct, 17. release, 18. longitude, 19. meteorology, 20. measurement, 21. millennium

22. the earth's cr\_\_t *n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
23. ja\_\_\_d edges *adj.* having a rough and sharply uneven surface or outline
24. tr\_\_\_\_\_r a biochemical response *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
25. pr\_\_\_\_\_t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
26. re\_\_\_\_\_ct attention *v.* to change the direction or course of something; to send in a different direction
27. co\_\_\_\_\_on detection *n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict
28. mi\_\_\_\_\_l rights *n.* a solid inorganic substance occurring in nature having a definite chemical composition
29. con\_\_\_\_\_al divide *adj.* of or relating to a continent (= one of the earth's large landmasses)
30. continental la\_\_\_\_\_ss *n.* a large area of land, especially one that is distinct from surrounding areas by its topography, geology, or biota
31. reach ce\_\_\_\_\_ty about the theory *n.* the state of being certain
32. obs\_\_\_\_\_on instrument *n.* the act or activity of carefully examining or monitoring something or someone

ANSWERS: 22. crust, 23. jagged, 24. trigger, 25. predict, 26. redirect, 27. collision, 28. mineral, 29. continental, 30. landmass, 31. certainty, 32. observation

33. pr\_\_\_\_e the amendment      *v.* to make a proposal, declare a plan for something
34. di\_\_\_\_e from the main topic      *v.* to move or extend in different directions from a common point; to branch off or deviate from a path or course
35. Doppler sh\_\_t      *n.* a slight transition in position, direction, or trend
36. cr\_\_k an eggshell      *v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
37. in\_\_\_x of capital      *n.* the arrival or entry of a large number of people, objects, or ideas into a place or system
38. high la\_\_\_\_des      *n.* the distance of a place north or south of the earth's equator, measured in degrees; freedom from normal restraints in conduct
39. brink of ext\_\_\_\_on      *n.* the complete disappearance of a species from the earth
40. tr\_\_\_\_rm an education system      *v.* to change in outward structure or looks;
41. mi\_\_\_\_te risk      *v.* to make less severe or less intense; to alleviate or lessen the adverse effects of something
42. env\_\_\_\_nt affairs      *n.* the natural world such as air, water, and land in which humans, animals, and plants live
43. 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

ANSWERS: 33. propose, 34. diverge, 35. shift, 36. crack, 37. influx, 38. latitude, 39. extinction, 40. transform, 41. mitigate, 42. environment, 43. span

44. 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
45. class obs\_\_\_\_\_on day *n.* the act or activity of carefully examining or monitoring something or someone
46. 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
47. past mil\_\_\_\_\_um *n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)
48. the big up\_\_\_\_\_al of my life *n.* great change, disruption, or disturbance; (geology) a rise of land to a higher elevation
49. 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
50. emissions of gre\_\_\_\_\_se gases *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
51. re\_\_\_\_\_e a prisoner *v.* to set free or allow to escape from confinement
52. reduce me\_\_\_\_\_e emissions *n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel
53. scientific ce\_\_\_\_\_ty *n.* the state of being certain
54. tr\_\_\_\_\_r inflation *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function

ANSWERS: 44. greenhouse, 45. observation, 46. mass, 47. millennium, 48. upheaval, 49. carbon, 50. greenhouse, 51. release, 52. methane, 53. certainty, 54. trigger

55. a cr\_\_k in a board      *v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
56. m\_\_t the ice      *v.* to turn from something solid into something soft or liquid as a result of heating
57. em\_\_\_e as a butterfly      *v.* to move out of or away from something and become visible
58. ou\_\_\_\_p belt      *n.* a visible, exposed rock formation at the surface of the ground
59. pre-mo\_\_\_n agricultural society      *adj.* of or belonging to the present time or recent times
60. silver ox\_\_e      *n.* a chemical compound that contains at least one oxygen atom and one other element
61. an ou\_\_\_\_p of a stratum      *n.* a visible, exposed rock formation at the surface of the ground
62. em\_\_\_y job seekers      *v.* to give somebody a job and pay them for it; to make use of
63. a ru\_\_\_\_e between friends      *n.* a break or tear in something, especially a bodily tissue or a physical object
64. heavy ra\_\_\_\_ll      *n.* the amount of rain that falls in a specific location at a particular moment
65. la\_\_\_\_de of choice      *n.* the distance of a place north or south of the earth's equator, measured in degrees; freedom from normal restraints in conduct
66. st\_\_\_\_ng evidence      *adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner

ANSWERS: 55. crack, 56. melt, 57. emerge, 58. outcrop, 59. modern, 60. oxide, 61. outcrop, 62. employ, 63. rupture, 64. rainfall, 65. latitude, 66. striking



67. a circular mo\_\_\_\_nt  
*n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
68. tr\_\_e a telephone call  
*v.* to find or discover someone or something that was lost
69. planetary ge\_\_\_\_st  
*n.* a scientist or specialist who studies geology
70. ma\_\_\_e of the presidency  
*n.* a layer of rock between the surface and the core of a planet or moon; a loose sleeveless cloak or shawl; the responsibilities of an important position or job that passes from one person to another
71. st\_\_\_\_ng innovation  
*adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner
72. st\_\_\_y increase  
*adj.* firmly fixed, supported, or balanced; not shaking or moving
73. co\_\_\_\_ce her to go with us  
*v.* to persuade someone or make someone believe that something is true
74. tr\_\_e back to medieval times  
*v.* to find or discover someone or something that was lost
75. as\_\_\_\_le a jigsaw puzzle  
*v.* to collect in one place as a single group
76. in\_\_\_\_e heat  
*adj.* (especially of a feeling) very strong; extremely sharp or severe
77. gi\_\_\_\_ic monsters  
*adj.* extremely large

ANSWERS: 67. movement, 68. trace, 69. geologist, 70. mantle, 71. striking, 72. steady, 73. convince, 74. trace, 75. assemble, 76. intense, 77. gigantic

78. less fo\_\_\_\_\_te person *adj.* having good luck or lucky
79. co\_\_\_\_\_e in midair *v.* to hit something violently when moving
80. ex\_\_\_\_\_ng news *adj.* causing a lot of interest or excitement
81. pl\_\_\_\_\_e into the water *v.* to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall
82. up\_\_\_\_\_al of society *n.* great change, disruption, or disturbance; (geology) a rise of land to a higher elevation
83. the inland of a co\_\_\_\_\_nt *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
84. a scientific di\_\_\_\_\_ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
85. co\_\_\_\_\_t a background check *v.* to organize and carry out a particular activity
86. effects of vo\_\_\_\_\_ic eruptions *adj.* relating to or produced by or consisting of volcano
87. fo\_\_\_\_\_te situation *adj.* having good luck or lucky
88. 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
89. di\_\_\_\_\_e from tradition *v.* to move or extend in different directions from a common point; to branch off or deviate from a path or course

ANSWERS: 78. fortunate, 79. collide, 80. exciting, 81. plunge, 82. upheaval, 83. continent, 84. discovery, 85. conduct, 86. volcanic, 87. fortunate, 88. mass, 89. diverge

90. 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
91. a vul\_\_\_\_\_le bridge *adj.* capable of being hurt or influenced physically or mentally
92. en\_\_\_\_\_e a photograph *v.* to make something bigger or larger; to become bigger or larger
93. polar con\_\_\_\_\_al air *adj.* of or relating to a continent (= one of the earth's large landmasses)
94. collision te\_\_\_\_\_cs *n.* the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity
95. a fo\_\_\_l leaf *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
96. global em\_\_\_\_\_ons of greenhouse gases *n.* the act of production or sending out gas, heat, light, etc.
97. the cy\_\_e of the seasons *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
98. a mo\_\_\_n image *adj.* in a liquid state as a result of being heated
99. ba\_\_\_t rock *n.* a dark, fine-grained volcanic rock that forms from the solidification of lava
100. ex\_\_\_\_\_ng football player *adj.* causing a lot of interest or excitement
101. ex\_\_\_\_\_d to radiation *adj.* having no protection or shield from something, such as bad weather, attack, or criticism

ANSWERS: 90. span, 91. vulnerable, 92. enlarge, 93. continental, 94. tectonics, 95. fossil, 96. emission, 97. cycle, 98. molten, 99. basalt, 100. exciting, 101. exposed

102. eve\_\_\_\_\_ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
103. in\_\_\_x of tourists *n.* the arrival or entry of a large number of people, objects, or ideas into a place or system
104. cr\_\_t formation *n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
105. con\_\_\_\_\_ial book *adj.* causing a lot of hot public discussion and dispute
106. large la\_\_\_\_\_ss *n.* a large area of land, especially one that is distinct from surrounding areas by its topography, geology, or biota
107. con\_\_\_\_\_ial policy *adj.* causing a lot of hot public discussion and dispute
108. sup\_\_\_\_\_ent cycle *n.* a large landmass that is formed by the collision and merging of several smaller continents and which then eventually breaks apart again due to tectonic forces
109. co\_\_\_\_\_al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
110. the mean annual ra\_\_\_\_\_ll *n.* the amount of rain that falls in a specific location at a particular moment
111. go to the workplace by cy\_\_e *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
112. re\_\_\_t a pizza *v.* to heat something again, typically to make it hot enough to eat or drink

ANSWERS: 102. eventually, 103. influx, 104. crust, 105. controversial, 106. landmass, 107. controversial, 108. supercontinent, 109. communal, 110. rainfall, 111. cycle, 112. reheat

113. major paradigm sh__t	<i>n.</i> a slight transition in position, direction, or trend
114. ba___t glass	<i>n.</i> a dark, fine-grained volcanic rock that forms from the solidification of lava
115. public education ad_____tes	<i>n.</i> a person who supports or suggests an idea, development, or way of doing something
116. thirty cen_____ers tall	<i>n.</i> a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter
117. the em_____on of light	<i>n.</i> the act of production or sending out gas, heat, light, etc.
118. eve_____ly succeed	<i>adv.</i> finally, particularly after a long time or a lot of struggle, complications, and so on
119. as_____le your colleagues	<i>v.</i> to collect in one place as a single group
120. continuously sh_____ng landscape	<i>adj.</i> constantly changing or moving
121. m__t down gold	<i>v.</i> to turn from something solid into something soft or liquid as a result of heating
122. re____t bathwater	<i>v.</i> to heat something again, typically to make it hot enough to eat or drink
123. ca____n emission	<i>n.</i> 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
124. mi_____te a natural disaster	<i>v.</i> to make less severe or less intense; to alleviate or lessen the adverse effects of something

ANSWERS: 113. shift, 114. basalt, 115. advocate, 116. centimeter, 117. emission, 118. eventually, 119. assemble, 120. shifting, 121. melt, 122. reheat, 123. carbon, 124. mitigate

125. lo\_\_\_e a tumor *v.* to specify or determine the exact position of someone or something
126. vitamin and mi\_\_\_\_\_ls *n.* a solid inorganic substance occurring in nature having a definite chemical composition
127. li\_\_\_\_\_e tree *n.* the ancestry of a person, group, or species
128. dr\_\_t down the stream *v.* to move smoothly and slowly in water or air, especially as a result of outside forces, with no control over the direction
129. maternal li\_\_\_\_\_e *n.* the ancestry of a person, group, or species
130. re\_\_\_\_\_ct traffic *v.* to change the direction or course of something; to send in a different direction
131. con\_\_\_\_\_ct each other *v.* to deny the truth of a statement by stating the opposite; to be in conflict with
132. con\_\_\_\_\_ct the principle *v.* to deny the truth of a statement by stating the opposite; to be in conflict with
133. ca\_\_\_\_\_te his credit score *v.* to judge or find out the amount or number of something by using mathematics
134. 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
135. a line of lo\_\_\_\_\_de *n.* the angular distance between a point on any meridian and the prime meridian at Greenwich

ANSWERS: 125. locate, 126. mineral, 127. lineage, 128. drift, 129. lineage, 130. redirect, 131. contradict, 132. contradict, 133. calculate, 134. atmosphere, 135. longitude

136. a ma\_\_\_\_ic tape *adj.* having the properties of attracting or repelling certain materials containing iron or steel
137. co\_\_\_\_al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
138. take a st\_\_\_\_y job *adj.* firmly fixed, supported, or balanced; not shaking or moving
139. id\_\_\_\_fy handwriting *v.* to recognize someone or something and say or prove who or what they are
140. ab\_\_\_\_b energy *v.* to take in a fluid or other substance gradually
141. atmospheric me\_\_\_\_e *n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel
142. the ja\_\_\_\_d outline of the crags *adj.* having a rough and sharply uneven surface or outline
143. a precise mea\_\_\_\_nt *n.* the act or process of finding something's size, quantity, or degree
144. marine met\_\_\_\_gy *n.* the branch of science that deals with processes in the Earth's atmosphere that cause weather conditions
145. ca\_\_\_\_te the distance *v.* to judge or find out the amount or number of something by using mathematics
146. co\_\_\_\_t research *v.* to organize and carry out a particular activity
147. 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: 136. magnetic, 137. communal, 138. steady, 139. identify, 140. absorb, 141. methane, 142. jagged, 143. measurement, 144. meteorology, 145. calculate, 146. conduct, 147. planet

148. sh\_\_\_\_\_ng balance *adj.* constantly changing or moving
149. mo\_\_\_\_\_nt of troops *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
150. vul\_\_\_\_\_le parts of the body *adj.* capable of being hurt or influenced physically or mentally
151. 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
152. pl\_\_\_e a dagger through his heart *v.* to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall
153. marine ge\_\_\_\_\_st *n.* a scientist or specialist who studies geology
154. the great di\_\_\_\_\_ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
155. guarantee re\_\_\_\_\_le delivery *adj.* worthy of being relied on; trustworthy
156. gi\_\_\_\_\_ic proportions *adj.* extremely large
157. chaotic env\_\_\_\_\_nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
158. mo\_\_\_n lava *adj.* in a liquid state as a result of being heated
159. def\_\_\_\_\_on at room temperature *n.* the process of changing the physical shape or form of something, usually due to external forces or pressure

ANSWERS: 148. shifting, 149. movement, 150. vulnerable, 151. atmosphere, 152. plunge, 153. geologist, 154. discovery, 155. reliable, 156. gigantic, 157. environment, 158. molten, 159. deformation



160. co\_\_\_\_ce an opponent      *v.* to persuade someone or make someone believe that something is true
161. combined ox\_\_e      *n.* a chemical compound that contains at least one oxygen atom and one other element
162. def\_\_\_\_\_on of structures      *n.* the process of changing the physical shape or form of something, usually due to external forces or pressure
163. er\_\_ed the files      *v.* to remove something completely, especially by rubbing it
164. ab\_\_\_\_b a shock      *v.* to take in a fluid or other substance gradually
165. ma\_\_\_\_e of power      *n.* a layer of rock between the surface and the core of a planet or moon; a loose sleeveless cloak or shawl; the responsibilities of an important position or job that passes from one person to another
166. increase in vo\_\_\_\_ic activity      *adj.* relating to or produced by or consisting of volcano
167. develop in\_\_\_\_\_e itching      *adj.* (especially of a feeling) very strong; extremely sharp or severe
168. steady in\_\_\_\_\_ntal growth      *n.* a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important
169. co\_\_\_\_e head-on      *v.* to hit something violently when moving
170. volcanic v\_\_t      *n.* a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion

ANSWERS: 160. convince, 161. oxide, 162. deformation, 163. erase, 164. absorb, 165. mantle, 166. volcanic, 167. intense, 168. increment, 169. collide, 170. vent

171. atm_____ic pressure	<i>adj.</i> about or located in the earth's atmosphere
172. tr_____rm heat into power	<i>v.</i> to change in outward structure or looks;
173. ext_____on prevention	<i>n.</i> the complete disappearance of a species from the earth
174. save the pl____t	<i>n.</i> any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
175. rec_____ct the original text	<i>v.</i> to build or form something again that has been damaged or destroyed
176. lo____e a missing pet	<i>v.</i> to specify or determine the exact position of someone or something
177. dr__t away on a raft	<i>v.</i> to move smoothly and slowly in water or air, especially as a result of outside forces, with no control over the direction
178. burning of fo____l fuels	<i>n.</i> any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
179. id____fy gene sequences	<i>v.</i> to recognize someone or something and say or prove who or what they are
180. er__e a memory	<i>v.</i> to remove something completely, especially by rubbing it
181. em____y a new method	<i>v.</i> to give somebody a job and pay them for it; to make use of
182. the ru_____e of a blood vessel	<i>n.</i> a break or tear in something, especially a bodily tissue or a physical object
183. doubling of atm_____ic carbon dioxide	<i>adj.</i> about or located in the earth's atmosphere

ANSWERS: 171. atmospheric, 172. transform, 173. extinction, 174. planet, 175. reconstruct, 176. locate, 177. drift, 178. fossil, 179. identify, 180. erase, 181. employ, 182. rupture, 183. atmospheric

184. en\_\_\_\_\_e my experience

*v.* to make something bigger or larger; to become bigger or larger

185. small in\_\_\_\_\_nts

*n.* a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important

186. an ex\_\_\_\_\_d rock

*adj.* having no protection or shield from something, such as bad weather, attack, or criticism

ANSWERS: 184. enlarge, 185. increment, 186. exposed

## Session 3: Fill in the Blanks

1. The recent political \_\_\_\_\_ has left the country in a state of chaos.  
*n.* great change, disruption, or disturbance; (geology) a rise of land to a higher elevation
2. Australia is the world's smallest continent by \_\_\_\_\_.  
*n.* a large area of land, especially one that is distinct from surrounding areas by its topography, geology, or biota
3. The \_\_\_\_\_ error of this industrial machine is less than one micrometer.  
*n.* the act or process of finding something's size, quantity, or degree
4. Let's \_\_\_\_\_ the origins of some familiar foreign words.  
*v.* to find or discover someone or something that was lost
5. He couldn't \_\_\_\_\_ the actual value of the artwork.  
*v.* to judge or find out the amount or number of something by using mathematics
6. The book contains numerous statements that \_\_\_\_\_ previous reports.  
*v.* to deny the truth of a statement by stating the opposite; to be in conflict with
7. The government decided to \_\_\_\_\_ funding towards education and healthcare.  
*v.* to change the direction or course of something; to send in a different direction
8. My father's death \_\_\_\_\_ my life completely.  
*v.* to change in outward structure or looks;

ANSWERS: 1. upheaval, 2. landmass, 3. measurement, 4. trace, 5. calculate, 6. contradict, 7. redirect, 8. transformed

9. The \_\_\_\_\_ force of the earth keeps our planet spinning.  
*adj.* having the properties of attracting or repelling certain materials containing iron or steel
10. He conducted his research at the \_\_\_\_\_ laboratory using large-scale computing.  
*n.* the branch of science that deals with processes in the Earth's atmosphere that cause weather conditions
11. The interests of the two countries \_\_\_\_\_.  
*v.* to hit something violently when moving
12. Tech companies often employ \_\_\_\_\_ ducts and other materials in their office interiors.  
*adj.* having no protection or shield from something, such as bad weather, attack, or criticism
13. I am considering what I should do to \_\_\_\_\_ him.  
*v.* to persuade someone or make someone believe that something is true
14. A fault line \_\_\_\_\_ can cause significant damage and destruction to surrounding areas.  
*n.* a break or tear in something, especially a bodily tissue or a physical object
15. As tectonic plates \_\_\_\_\_ new oceanic crust is formed along mid-ocean ridges.  
*v.* to move or extend in different directions from a common point; to branch off or deviate from a path or course
16. The issue of the death penalty is highly \_\_\_\_\_.  
*adj.* causing a lot of hot public discussion and dispute

ANSWERS: 9. magnetic, 10. meteorology, 11. collide, 12. exposed, 13. convince, 14. rupture, 15. diverge, 16. controversial

17. Their headquarters are in a \_\_\_\_\_ skyscraper.

*adj.* of or belonging to the present time or recent times

18. A \_\_\_\_\_ audience viewed the broadcast.

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

19. I \_\_\_\_\_ around for years in Europe before going to university.

*v.* to move smoothly and slowly in water or air, especially as a result of outside forces, with no control over the direction

20. 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

21. During colonial eras, new migratory patterns \_\_\_\_\_.

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

22. He gave \_\_\_\_\_ to his anger by playing the guitar.

*n.* a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion

23. The city is located at a \_\_\_\_\_ of 40 degrees north.

*n.* the distance of a place north or south of the earth's equator, measured in degrees; freedom from normal restraints in conduct

24. The findings of the experiment were both \_\_\_\_\_ and unexpected.

*adj.* causing a lot of interest or excitement

ANSWERS: 17. modern, 18. vast, 19. drifted, 20. mitigate, 21. emerged, 22. vent, 23. latitude, 24. exciting

25. Scientists traced the \_\_\_\_\_ of the species back millions of years by studying fossils.
- n.* the ancestry of a person, group, or species
26. Global \_\_\_\_\_ plays a critical role in the formation of mountain ranges and the movement of Earth's crustal plates.
- n.* the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity
27. Her resistance \_\_\_\_\_ under his persuasion.
- v.* to turn from something solid into something soft or liquid as a result of heating
28. The \_\_\_\_\_ of the dinosaurs is thought to have been caused by an asteroid impact.
- n.* the complete disappearance of a species from the earth
29. Our world is in the third \_\_\_\_\_.
- n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)
30. The \_\_\_\_\_ of rock provided a scenic viewpoint for the hikers.
- n.* a visible, exposed rock formation at the surface of the ground
31. Trains are \_\_\_\_\_ inexpensive, and ideal for long-distance travel.
- adj.* worthy of being relied on; trustworthy
32. There are five distinct \_\_\_\_\_ at five unique wavelengths.
- n.* the act of production or sending out gas, heat, light, etc.
33. \_\_\_\_\_ elections were held in several European countries.
- adj.* belonging to or used by a group rather than individuals; for common use

ANSWERS: 25. lineage, 26. tectonics, 27. melted, 28. extinction, 29. millennium, 30. outcrop, 31. reliable, 32. emissions, 33. Communal

34. The robot can accurately \_\_\_\_\_ construction material.  
*v.* to specify or determine the exact position of someone or something
35. It was the \_\_\_\_\_ of a dinosaur tooth.  
*n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
36. 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
37. The incident \_\_\_\_\_ a political controversy.  
*v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
38. He was so hungry from the long journey that he had a \_\_\_\_\_ appetite.  
*adj.* extremely large
39. The \_\_\_\_\_ breakfast at the hotel was included with the room.  
*adj.* of or relating to a continent (= one of the earth's large landmasses)
40. Please \_\_\_\_\_ your new theory.  
*v.* to make something bigger or larger; to become bigger or larger
41. He that would eat the kernel must \_\_\_\_\_ the nut.  
*v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
42. 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: 34. locate, 35. fossil, 36. greenhouse, 37. triggered, 38. gigantic, 39. continental, 40. enlarge, 41. crack, 42. carbon



43. They've decided to \_\_\_\_\_ a ruined castle.  
*v.* to build or form something again that has been damaged or destroyed
44. Police will \_\_\_\_\_ random breath testing for drunk driving.  
*v.* to organize and carry out a particular activity
45. Flight across the \_\_\_\_\_ was a daring adventure in its day.  
*n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
46. The two plays have many \_\_\_\_\_ parallels.  
*adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner
47. The bid \_\_\_\_\_ for this auction is \$100.  
*n.* a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important
48. In the hospital, she will remain under constant \_\_\_\_\_.  
*n.* the act or activity of carefully examining or monitoring something or someone
49. Various factors, including pressure, temperature, and the application of external forces, can cause the \_\_\_\_\_ of rocks.  
*n.* the process of changing the physical shape or form of something, usually due to external forces or pressure
50. The animal rights group worked to \_\_\_\_\_ the dolphins back into the wild.  
*v.* to set free or allow to escape from confinement

ANSWERS: 43. reconstruct, 44. conduct, 45. continent, 46. striking, 47. increment, 48. observation, 49. deformation, 50. release

51. The \_\_\_\_\_ layer on Mars is much thinner than on Earth.
- n.* a layer of rock between the surface and the core of a planet or moon; a loose sleeveless cloak or shawl; the responsibilities of an important position or job that passes from one person to another
52. The \_\_\_\_\_ of immigrants into urban areas can create significant social, economic, and political challenges for local communities.
- n.* the arrival or entry of a large number of people, objects, or ideas into a place or system
53. The sponge \_\_\_\_\_ water well.
- v.* to take in a fluid or other substance gradually
54. The sea surface temperature and \_\_\_\_\_ circulation are inextricably linked.
- adj.* about or located in the earth's atmosphere
55. These issues baffled \_\_\_\_\_ for many years.
- n.* a scientist or specialist who studies geology
56. 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
57. The bread's \_\_\_\_\_ was golden brown and crispy.
- n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
58. Our country's eastern border is around \_\_\_\_\_ forty degrees east.
- n.* the angular distance between a point on any meridian and the prime meridian at Greenwich

ANSWERS: 51. mantle, 52. influx, 53. absorbs, 54. atmospheric, 55. geologists, 56. span, 57. crust, 58. longitude

59. The \_\_\_\_\_ of the dancers on stage was graceful and elegant.

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

60. Trends in the fashion industry are so \_\_\_\_\_ that it is challenging to keep up with them.

*adj.* constantly changing or moving

61. This study indicates \_\_\_\_\_ activity affects global warming.

*adj.* relating to or produced by or consisting of volcano

62. The blood's red coloring comes from iron \_\_\_\_\_.

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

63. The hiking trail was lined with towering \_\_\_\_\_ columns.

*n.* a dark, fine-grained volcanic rock that forms from the solidification of lava

64. Infants and pregnant women are particularly \_\_\_\_\_.

*adj.* capable of being hurt or influenced physically or mentally

65. He was pretty \_\_\_\_\_ to pass the exam.

*adj.* having good luck or lucky

66. I will introduce you to how to \_\_\_\_\_ the leading causes of the malfunction.

*v.* to recognize someone or something and say or prove who or what they are

67. These plants thrive in hot climates with abundant \_\_\_\_\_.

*n.* the amount of rain that falls in a specific location at a particular moment

ANSWERS: 59. movement, 60. shifting, 61. volcanic, 62. oxide, 63. basalt, 64. vulnerable, 65. fortunate, 66. identify, 67. rainfall

68. The president began to \_\_\_\_\_ an army.

*v.* to collect in one place as a single group

69. Can you please help me \_\_\_\_\_ this food in the microwave?

*v.* to heat something again, typically to make it hot enough to eat or drink

70. Her research team made an important \_\_\_\_\_.

*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

71. 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

72. That statement by the prime minister drew \_\_\_\_\_ international criticism.

*adj.* (especially of a feeling) very strong; extremely sharp or severe

73. The company's profits \_\_\_\_\_ after the recall of their new product.

*v.* to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall

74. The \_\_\_\_\_ metal was poured into the mold.

*adj.* in a liquid state as a result of being heated

75. Through a process known as plate tectonics, \_\_\_\_\_ have formed and broken apart multiple times over Earth's history.

*n.* a large landmass that is formed by the collision and merging of several smaller continents and which then eventually breaks apart again due to tectonic forces

ANSWERS: 68. assemble, 69. reheat, 70. discovery, 71. mass, 72. intense, 73. plunged, 74. molten, 75. supercontinents

76. When making arrests, police officers frequently \_\_\_\_\_ excessive force.  
*v.* to give somebody a job and pay them for it; to make use of
77. The \_\_\_\_\_ of tectonic plates can result in new mountain ranges, such as the Himalayas or the Alps.  
*n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict
78. The ignition of \_\_\_\_\_ gas in the plant killed five employees.  
*n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel
79. It's notoriously challenging to \_\_\_\_\_ birth rates.  
*v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
80. Could you help me \_\_\_\_\_ some furniture?  
*n.* a slight transition in position, direction, or trend
81. Through investigation, his suspicions hardened into \_\_\_\_\_.  
*n.* the state of being certain
82. There are several \_\_\_\_\_ limestone peaks throughout the mountains.  
*adj.* having a rough and sharply uneven surface or outline
83. The robust economy of the country is based on its \_\_\_\_\_ resources.  
*n.* a solid inorganic substance occurring in nature having a definite chemical composition

ANSWERS: 76. employ, 77. collision, 78. methane, 79. predict, 80. shift, 81. certainty, 82. jagged, 83. mineral

84. 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
85. I want to \_\_\_\_\_ a toast in honor of our longstanding relationship.
- v.* to make a proposal, declare a plan for something
86. The corporation \_\_\_\_\_ dominated the entire tobacco business.
- adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
87. The patient's vital signs are \_\_\_\_\_ indicating a stable condition.
- adj.* firmly fixed, supported, or balanced; not shaking or moving
88. 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
89. \_\_\_\_\_ of abolishing the death penalty often argue that the alternative heaviest sentence should be life in prison.
- n.* a person who supports or suggests an idea, development, or way of doing something
90. 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
91. He attempted to \_\_\_\_\_ the misspelled word.
- v.* to remove something completely, especially by rubbing it

ANSWERS: 84. environment, 85. propose, 86. eventually, 87. steady, 88. planet, 89. Advocates, 90. atmosphere, 91. erase

92. The food chain causes a material \_\_\_\_\_.

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

93. The room was only one \_\_\_\_\_ wider than the piano, making it a tight fit.

- n.* a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter

ANSWERS: 92. cycle, 93. centimeter