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Vocabulary Builder Reference from...

Joshua Harvey: The evolution of the human eye |

TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

amazing

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

synonym: exceptional, extraordinary, wonderful

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

The golfer recorded an **amazing** distance.

mechanism

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

synonym: means, method, system

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

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

detect

v. to find or recognize something, especially something difficult to see, hear, etc.

synonym: catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders

The security camera has **detected** four intruders.

photon

n. a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all

light and other forms of electromagnetic radiation

synonym : particle, quantum, light

(1) **photon** emission, (2) **photon** energy

Infrared cameras detect **photons** in the infrared range of the electromagnetic spectrum.

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.

distant

adj. far away in space, time, or where you are; far apart in relevance, relationship, or kinship

synonym : far, isolated, remote

(1) a **distant** memory, (2) **distant** ancestors

The sun set over the crest of **distant** hills.

horizon

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

synonym : skyline, view, visible boundary

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

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

structure

n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

synonym : construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain

The organizational **structure** of start-ups is often flat and straightforward.

incredible

adj. unbelievable; enormous

synonym : unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed
Her response revealed **incredible** idiocy.

flexibility

n. the quality of changing or being changed easily according to new conditions or situations
synonym: elasticity, adaptability, resilience

(1) mental **flexibility**, (2) the **flexibility** of the body
We dealt with those problems with speed and **flexibility**.

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.

acknowledged

adj. recognized or admitted as being true or valid
synonym: recognized, accepted, admitted

(1) **acknowledged** beauty, (2) publicly **acknowledged** truth
His **acknowledged** expertise in the field earned him the respect of his peers.

evolve

v. to develop gradually, or to cause the development of something or someone gradually
synonym: develop, mature, grow

(1) **evolve**, (2) **evolve** over the past decade
Eyeless fish **evolved** in dark caves.

absurd

adj. ridiculously silly, unreasonable, or illogical
synonym: ridiculous, foolish, idiotic

(1) **absurd** storyline, (2) an **absurd** amount of money
We immediately rejected his **absurd** suggestion.

degree

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

level, qualification, diploma

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

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

spot

n. a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
synonym: dot, mark, place

(1) beauty **spot**, (2) a **spot** on his honor

This remote **spot** is rarely visited.

euglena

n. a single-celled organism belonging to the group of protists, typically green, and can undergo photosynthesis but can also feed on other organisms

(1) **euglena** photosynthesis, (2) **euglena** reproduction

The students observed the fascinating **euglena** movement under the microscope, noting its whip-like flagellum.

cluster

n. a group of similar things or people close together, often forming a distinct mass or unit

synonym: group, aggregation, array

(1) live in a **cluster**, (2) a **cluster** of stars

A **cluster** of grapes hung from the vine.

sensitive

adj. able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do

synonym: exposed, susceptible, keen

(1) **sensitive** documents, (2) baby with **sensitive** skin

The teacher is very **sensitive** to children's feelings.

protein

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

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

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

flagellum

n. (plural, flagella) a long, thin, whip-like structure that some cells use for movement

synonym : cilia, whip, appendage

(1) **flagellum** structure, (2) bacterial **flagellum**

The **flagellum** of the sperm cells help it to move towards the egg.

worm

n. a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes

(1) wiggly **worms**, (2) can of **worms**

Worms help dispose of the food waste produced by humans.

planarian

n. a small, flatworm with a simple nervous system found in freshwater environments that is used as a model organism in biological and medical research, especially for studying regeneration

synonym : flatworm, tapeworm

(1) **planarian** regeneration, (2) freshwater **planarian**

The nervous system of **planarians** is relatively simple and easy to study.

predator

n. an animal whose natural behavior is to prey on others

synonym : vulture, bloodsucker

(1) apex **predator**, (2) sexual **predators**

The native South American animals were in danger because of the **predator's** arrival.

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**.

pinhole

n. a tiny hole in a material, often made by a needle, that allows light or other substances to pass through

synonym : aperture, perforation, pore

(1) **pinhole** image, (2) **pinhole** leak

The camera's **pinhole** lens creates a unique blur effect in

photographs.

resolution

n. a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

synonym: determination, decision, settlement

(1) **resolution** of a conflict, (2) display **resolution**

He made a New Year's **resolution** to exercise more and eat healthier.

dramatically

adv. in a very impressive manner

synonym: greatly, noticeably, suddenly

(1) he confessed **dramatically**, (2) the cabin pressure fell **dramatically**

Life expectancy has grown **dramatically** this century.

distortion

n. the alteration or misrepresentation of something so that it is no longer true or accurate; the way in which a sound or image is changed or distorted

synonym: twist, deformity, misrepresentation

(1) **distortion** of the earth's surface, (2) horizontal **distortion**

Her report was criticized as a gross **distortion** of the truth.

beam

n. a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source

synonym: ray, ray of light, shaft of light

(1) **beam** of light, (2) a structural **beam** of a building

The sun's **beam** shone through the window and illuminated the room.

nautilus

n. a marine mollusk of the cephalopod family that possesses a coiled spiral shell divided into multiple chambers, often found in the Indo-Pacific region, with unique features such as tentacles, an external ornate

shell, and a relatively unchanged evolutionary history
synonym : cephalopod

(1) **nautilus** shell, (2) marine **nautilus**

The chambered **nautilus** propels itself by expelling water from its mantle cavity, allowing it to move backward.

ancestor

n. a person from whom one is descended; a forefather
synonym : forebear, forefather, progenitor

(1) **ancestor** language, (2) earliest human **ancestor**

My remote **ancestor** immigrated to the United States from Ireland in the 1800s.

octopus

n. a sea creature with a soft round body and eight long tentacles (= long parts like arms)

synonym : devilfish

(1) giant **octopus**, (2) venomous **octopus**

He experienced nausea after eating live **octopus**.

improvisation

n. the act of making something up on the spot or creating or performing something without preparation

synonym : spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**

He created a beautiful piece of music using only **improvisation**.

lens

n. a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation

synonym : glass

(1) a convex **lens**, (2) a **lens** with a wide angle

The photographer took this photo using a telephoto **lens**.

transparent

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

synonym :

translucent, evident, diaphanous

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

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

infection

n. a condition in which pathogenic microorganisms or viruses have entered the body

synonym: contagion, disease, transmission

(1) a bacterial **infection**, (2) treat the **infection** with antibiotics

Hospitals must meet various standards to prevent nosocomial **infections**.

fluid

n. a substance that can flow and is not solid

synonym: liquid, aqua, sap

(1) plenty of **fluids**, (2) **fluid** assets

She was diagnosed with a **fluid** buildup in her lungs.

optimize

v. to make the best or most effective use of something

synonym: advance, amend, improve

(1) **optimize** a process, (2) **optimize** control for cooling

The essence of economics is to **optimize** the allocation of limited resources.

sensitivity

n. the ability to perceive or respond to subtle differences or changes; the ability to understand and respond to the needs and feelings of others

synonym: alertness, attentiveness, sympathy

(1) **sensitivity** analysis, (2) become full of **sensitivity**

The instrument has a high **sensitivity** to temperature changes.

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.

crystalline

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

synonym : crystallized, clear, transparent

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

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

retina

n. the innermost light-sensitive membrane covering the back wall of the eyeball

(1) **retinal** cells, (2) **retina** scanner

Damage to the **retina** may play a role in the development of glaucoma.

adaptable

adj. able or willing to modify or be modified to deal with new situations

synonym : flexible, adjustable, elastic

(1) **adaptable** enough for the environment, (2) an **adaptable** person

We seek a candidate who possesses **adaptable** fighting potential.

curvature

n. the degree to which a line or surface deviates from being straight or flat; a measure of the amount of bending of a curve

synonym : bend, arch, bow

(1) the degree of **curvature**, (2) spinal **curvature**

The **curvature** of the earth can be seen from space.

adapt

v. to make fit for or change to suit a new purpose or environment

synonym : adjust, acclimate, accustom

(1) **adapt** fully to the environment, (2) **adapt** as needed

I advised him to **adapt** to his new surroundings.

vision

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

synonym : sight, image, concept

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

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

basis

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

synonym : foundation, base, ground

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

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

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.

refinement

n. the process of making something better or more sophisticated or of improving something by making it more accurate or precise

synonym : improvement, perfection, polish

(1) **refinement** of her image, (2) high level of **refinement**

The **refinement** of the production process led to a significant increase in efficiency.

iris

n. the colored part of the eye that surrounds the pupil; a flower with showy petals, named for its resemblance to

the eye's iris

synonym : pupil, diaphragm, aperture

(1) blue **iris**, (2) **iris** pattern

The **iris** of the eye contracts and expands to control the amount of light that enters.

sclera

n. the tough, white outer layer of the eyeball that covers most of its surface, providing structural support and protection

synonym : white of the eye, eye sclera, eyeball covering

(1) **sclera** color, (2) inflamed **sclera**

The doctor noted a yellow **sclera** staining in the patient's eyes, indicating a potential liver issue.

maintain

v. to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

synonym : preserve, uphold, sustain

(1) **maintain** order, (2) **maintain** good health

I need to **maintain** my car regularly to prevent any major mechanical issues.

gland

n. a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream

synonym : secretor

(1) the function of the thyroid **gland**, (2) a mammary **gland**

The adrenal **glands** produce steroids.

accompanying

adj. being in a position next to or near something or someone

synonym : attendant, concomitant, coexisting

(1) **accompanying** equipment, (2) **accompanying** documents

The **accompanying** music was soothing and added to the ambiance.

evolution

n. a gradual process of transformation of living things
synonym: elaboration, expansion, transition

(1) human **evolution**, (2) **evolution** theory

They study the **evolution** of the universe.

brain

n. the organ inside the head that is responsible for one's movement, thought, memory, and feeling

synonym: intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage

X-rays revealed a small tumor in his **brain**.

expansion

n. the process of becoming larger or more extensive, or the result of this process

synonym: growth, enlargement, development

(1) industrial **expansion**, (2) **expansion** project

The company is undergoing an **expansion**, opening new locations in several states.

visual

adj. relating to seeing or sight

synonym: optical, graphical, visible

(1) **visual** navigation, (2) field of **visual** arts

The building makes a remarkable **visual** impact.

cortex

n. the outermost layer of an organ, especially the brain

(1) **cortex** cells, (2) visual **cortex** neuron

The cerebral **cortex** consists of six layers.

masterpiece

n. a work of art that is exceptionally good or highly skilled; a great achievement

synonym: classic, chef-d'oeuvre, magnum opus

(1) literary **masterpiece**, (2) a **masterpiece** of design

The Mona Lisa is widely considered to be a **masterpiece** of art.

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.

invert

v. to turn something upside down, inside out; to reverse the position, order, or relationship of something

synonym: turn upside down, reverse, flip

(1) **invert** a glass, (2) **invert** position

He decided to **invert** his investment portfolio, shifting from stocks to bonds.

blind

adj. unable to see; unable or unwilling to perceive or understand the true nature of something

synonym: sightless, unseeing, random

(1) **blind** to the beauties, (2) **blind** spot

She was nearly **blind** due to severe diabetes.

optic

adj. relating to vision or the eyes; relating to or involving light or optics

synonym: visual, ocular, visualized

(1) **optic** fiber, (2) **optic** illusion

The campaign ad was designed with bright colors and bold fonts for maximum **optic** impact.

nervous

adj. worried and anxious about something; relating to the nerves

synonym: neural, anxious, uneasy

(1) development of the **nervous** system, (2) get **nervous**

He suffers from **nervous** breakdowns.

pierce

v. to cut or make a way through with a sharp instrument

synonym: jab, penetrate, stab

(1) **pierce** the armored shells, (2) **pierce** a mystery

The extreme cold **pierced** our bones.

photosensitive

adj. sensitive or responsive to light, particularly in a scientific or medical context; referring to the ability to react to or be affected by light

synonym : photosensitive, light-sensitive, reactive

(1) **photosensitive** paper, (2) **photosensitive** reaction

The **photosensitive** material must be stored in a dark room to prevent damage.

cephalopod

n. marine mollusk such as an octopus or squid, characterized by a well-developed head, eyes, and tentacles (= long parts like arms)

(1) **cephalopod** mollusk, (2) a **cephalopod** with eight arms

Cephalopods move quickly through the outflow of water from a muscular funnel beneath the head.

independence

n. freedom from another's or others' control or influence

synonym : freedom, liberty, autonomy

(1) financial **independence**, (2) **independence** ceremony

There is nothing more valuable than **independence** and freedom.

creature

n. a living being, especially an animal

synonym : being, animal, organism

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

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

display

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

synonym : show, exhibit, present

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

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

adaptation

n. the action or process of changing to suit different conditions

synonym : adaption, adjustment, transformation

(1) **adaptation** ability, (2) language **adaptation**

The company's **adaptation** approach has been highly effective.

divide

v. to separate or cause to separate into parts or groups

synonym: separate, disconnect, split

(1) **divide** the cake into two pieces, (2) **divide** money equally

Can you **divide** 123321 by eleven?

sect

n. a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

synonym: group, faction, cult

(1) **sect** beliefs, (2) secret **sect**

The minority **sect** believed in a set of unconventional religious practices.

prey

n. the object of a hunt; an animal hunted or trapped for eating

synonym: target, quarry, chase

(1) **prey** of beast, (2) become **prey** to terrorists

The majority of snakes swallow their **prey** whole.

hunt

v. to go after and try to catch wild animals to kill them for food, sport, or profit

synonym: chase, pursuit, quest

(1) **hunt** a job, (2) **hunt** after knowledge

Hounds **hunt** their prey by using their keen scent.

maxim

n. a well-known phrase that expresses a general or fundamental truth, principle, or rule for behavior

synonym: adage, proverb, aphorism

(1) old **maxim**, (2) act upon a **maxim**

A good **maxim** is never out of season.

grant

v. to agree to give or allow somebody

synonym: allocate, authorize, give

(1) **grant** a new license, (2) **grant** a land
The chairperson **granted** him the right to speak.

glow

v. to give out a steady, strong light

synonym: shine, radiate, beam

(1) **glow** a pale orange, (2) **glow** gold in the light
The sun was setting, and the sky **glowed** with beautiful colors.

diversity

n. the quality or fact of many different types of things or people being included in something; a range of different things or people

synonym: variety, multiplicity, variousness

(1) the **diversity** policy of the university, (2) lingual **diversity**
He was impressed by the range and **diversity** of the collection.

kingdom

n. the country ruled by a king or queen

synonym: empire, realm, land

(1) establish his **kingdom**, (2) a subordinate **kingdom**
By remaining neutral, this **kingdom** continued to exist.

mechanical

adj. operated by a machine, relating to or concerned with machinery or tools

synonym: machinelike, automated, automatic

(1) a **mechanical** style of writing, (2) the influence of **mechanical** action

A **mechanical** engineer is still in demand in many companies.

implant

v. to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind

synonym: insert, fix, place

(1) **implant** genes in the animals, (2) **implant** into the uterus
The doctor will **implant** a pacemaker to regulate his heart rate.

impair

v. to damage something or make it weaker or worse

synonym: degrade, mar, deface

(1) **impair** my health, (2) **impair** insulin sensitivity

The accident made his vision **impaired**.

precision

n. the quality or condition of being exact and accurate

synonym: accuracy, exactness, rigor

(1) a **precision** instrument, (2) speak with **precision**

This operation requires both patience and **precision**.

surpass

v. to be or do better than someone or something; to excel or go beyond the limits or standards of something

synonym: excel, outdo, outperform

(1) **surpass** imagination, (2) **surpass** \$20 billion in sales

The athlete's record-breaking performance **surpassed** all expectations.

Session 2: Spelling

1. bl__d spot *adj.* unable to see; unable or unwilling to perceive or understand the true nature of something
2. di___e money equally *v.* to separate or cause to separate into parts or groups
3. h__t a job *v.* to go after and try to catch wild animals to kill them for food, sport, or profit
4. im___r insulin sensitivity *v.* to damage something or make it weaker or worse
5. p__y of beast *n.* the object of a hunt; an animal hunted or trapped for eating
6. ev___e *v.* to develop gradually, or to cause the development of something or someone gradually
7. a convex l__s *n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation
8. s__t beliefs *n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream
9. he confessed dra_____lly *adv.* in a very impressive manner

ANSWERS: 1. blind, 2. divide, 3. hunt, 4. impair, 5. prey, 6. evolve, 7. lens, 8. sect, 9. dramatically

- | | |
|-----------------------------------|---|
| 10. acc_____ing equipment | <i>adj.</i> being in a position next to or near something or someone |
| 11. ref_____nt of her image | <i>n.</i> the process of making something better or more sophisticated or of improving something by making it more accurate or precise |
| 12. the fle_____ty of the body | <i>n.</i> the quality of changing or being changed easily according to new conditions or situations |
| 13. eu_____a photosynthesis | <i>n.</i> a single-celled organism belonging to the group of protists, typically green, and can undergo photosynthesis but can also feed on other organisms |
| 14. become full of sen_____ty | <i>n.</i> the ability to perceive or respond to subtle differences or changes; the ability to understand and respond to the needs and feelings of others |
| 15. a mec_____al style of writing | <i>adj.</i> operated by a machine, relating to or concerned with machinery or tools |
| 16. language ada_____on | <i>n.</i> the action or process of changing to suit different conditions |
| 17. speak with pr_____on | <i>n.</i> the quality or condition of being exact and accurate |
| 18. jazz imp_____ion | <i>n.</i> the act of making something up on the spot or creating or performing something without preparation |
| 19. op__c fiber | <i>adj.</i> relating to vision or the eyes; relating to or involving light or optics |
| 20. can of w__ms | <i>n.</i> a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes |

ANSWERS: 10. accompanying, 11. refinement, 12. flexibility, 13. euglena, 14. sensitivity, 15. mechanical, 16. adaptation, 17. precision, 18. improvisation, 19. optic, 20. worm

21. defense me_____sm *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
22. human ev_____on *n.* a gradual process of transformation of living things
23. tra_____nt crystal *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
24. ad__t as needed *v.* to make fit for or change to suit a new purpose or environment
25. op_____ze control for cooling *v.* to make the best or most effective use of something
26. on an equal ba__s *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
27. ba__s for calculation *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
28. a pr_____on instrument *n.* the quality or condition of being exact and accurate
29. pho_____ive paper *adj.* sensitive or responsive to light, particularly in a scientific or medical context; referring to the ability to react to or be affected by light
30. vi___l navigation *adj.* relating to seeing or sight
31. high level of ref_____nt *n.* the process of making something better or more sophisticated or of improving something by making it more accurate or precise

ANSWERS: 21. mechanism, 22. evolution, 23. transparent, 24. adapt, 25. optimize, 26. basis, 27. basis, 28. precision, 29. photosensitive, 30. visual, 31. refinement

32. the degree of cu_____re
n. the degree to which a line or surface deviates from being straight or flat; a measure of the amount of bending of a curve
33. ad_____le enough for the environment
adj. able or willing to modify or be modified to deal with new situations
34. a l____s with a wide angle
n. a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation
35. su_____s imagination
v. to be or do better than someone or something; to excel or go beyond the limits or standards of something
36. ph____n emission
n. a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
37. act upon a ma__m
n. a well-known phrase that expresses a general or fundamental truth, principle, or rule for behavior
38. pi_____e image
n. a tiny hole in a material, often made by a needle, that allows light or other substances to pass through
39. mil_____um bottle of wine
n. a span of 1000 years, or the 1000th anniversary (plural: millennia)

ANSWERS: 32. curvature, 33. adaptable, 34. lens, 35. surpass, 36. photon, 37. maxim, 38. pinhole, 39. millennium

40. ex_____on project *n.* the process of becoming larger or more extensive, or the result of this process
41. b__m of light *n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
42. display res_____on *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
43. gr__t a new license *v.* to agree to give or allow somebody
44. g__w a pale orange *v.* to give out a steady, strong light
45. ev_____on theory *n.* a gradual process of transformation of living things
46. imp_____ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation
47. cep_____od mollusk *n.* marine mollusk such as an octopus or squid, characterized by a well-developed head, eyes, and tentacles (= long parts like arms)
48. ad__t fully to the environment *v.* to make fit for or change to suit a new purpose or environment
49. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

ANSWERS: 40. expansion, 41. beam, 42. resolution, 43. grant, 44. glow, 45. evolution, 46. improvisation, 47. cephalopod, 48. adapt, 49. structure

50. giant oc____s *n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)
51. freshwater pl____an *n.* a small, flatworm with a simple nervous system found in freshwater environments that is used as a model organism in biological and medical research, especially for studying regeneration
52. di___e the cake into two pieces *v.* to separate or cause to separate into parts or groups
53. op____ze a process *v.* to make the best or most effective use of something
54. na____us shell *n.* a marine mollusk of the cephalopod family that possesses a coiled spiral shell divided into multiple chambers, often found in the Indo-Pacific region, with unique features such as tentacles, an external ornate shell, and a relatively unchanged evolutionary history
55. telescopic vi___n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
56. in direct su____ht *n.* the light emitted by the sun; the rays of the sun
57. tr__e a telephone call *v.* to find or discover someone or something that was lost
58. a di____t memory *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship

ANSWERS: 50. octopus, 51. planarian, 52. divide, 53. optimize, 54. nautilus, 55. vision, 56. sunlight, 57. trace, 58. distant

59. di____y artwork *v.* to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value
60. wiggly w__ms *n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes
61. apex pr____or *n.* an animal whose natural behavior is to prey on others
62. pho_____ive reaction *adj.* sensitive or responsive to light, particularly in a scientific or medical context; referring to the ability to react to or be affected by light
63. dis_____on of the earth's surface *n.* the alteration or misrepresentation of something so that it is no longer true or accurate; the way in which a sound or image is changed or distorted
64. di____t ancestors *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
65. 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
66. secret s__t *n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

ANSWERS: 59. display, 60. worm, 61. predator, 62. photosensitive, 63. distortion, 64. distant, 65. process, 66. sect

67. the cabin pressure fell dra_____lly *adv.* in a very impressive manner
68. the event ho_____n of a black hole *n.* the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated
69. bacterial fl_____um *n.* (plural, flagella) a long, thin, whip-like structure that some cells use for movement
70. a tra_____nt lie *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
71. artificial cr_____re *n.* a living being, especially an animal
72. op__c illusion *adj.* relating to vision or the eyes; relating to or involving light or optics
73. i__s pattern *n.* the colored part of the eye that surrounds the pupil; a flower with showy petals, named for its resemblance to the eye's iris
74. become p__y to terrorists *n.* the object of a hunt; an animal hunted or trapped for eating
75. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
76. sen_____ty analysis *n.* the ability to perceive or respond to subtle differences or changes; the ability to understand and respond to the needs and feelings of others
77. establish his ki_____m *n.* the country ruled by a king or queen
78. gr__t a land *v.* to agree to give or allow somebody

ANSWERS: 67. dramatically, 68. horizon, 69. flagellum, 70. transparent, 71. creature, 72. optic, 73. iris, 74. prey, 75. complexity, 76. sensitivity, 77. kingdom, 78. grant

79. 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
80. h__t after knowledge *v.* to go after and try to catch wild animals to kill them for food, sport, or profit
81. the di_____ty policy of the university *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
82. a cep_____od with eight arms *n.* marine mollusk such as an octopus or squid, characterized by a well-developed head, eyes, and tentacles (= long parts like arms)
83. ph___n energy *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
84. ind_____nce ceremony *n.* freedom from another's or others' control or influence
85. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
86. de___t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.

ANSWERS: 79. process, 80. hunt, 81. diversity, 82. cephalopod, 83. photon, 84. independence, 85. structure, 86. detect

87. stress pr____n *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
88. an ab____d amount of money *adj.* ridiculously silly, unreasonable, or illogical
89. visual co____x neuron *n.* the outermost layer of an organ, especially the brain
90. financial ind____nce *n.* freedom from another's or others' control or influence
91. the influence of mec____al action *adj.* operated by a machine, relating to or concerned with machinery or tools
92. co____x cells *n.* the outermost layer of an organ, especially the brain
93. live in a cl____r *n.* a group of similar things or people close together, often forming a distinct mass or unit
94. eu____a reproduction *n.* a single-celled organism belonging to the group of protists, typically green, and can undergo photosynthesis but can also feed on other organisms
95. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
96. pi____e leak *n.* a tiny hole in a material, often made by a needle, that allows light or other substances to pass through
97. a cl____r of stars *n.* a group of similar things or people close together, often forming a distinct mass or unit

ANSWERS: 87. protein, 88. absurd, 89. cortex, 90. independence, 91. mechanical, 92. cortex, 93. cluster, 94. euglena, 95. brain, 96. pinhole, 97. cluster

98. a prodigious vi___n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
99. ma_____in good health *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
100. spinal cu_____re *n.* the degree to which a line or surface deviates from being straight or flat; a measure of the amount of bending of a curve
101. de___e centigrade *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
102. lingual di_____ty *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
103. beauty s__t *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
104. the function of the thyroid gl__d *n.* a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream
105. a structural b__m of a building *n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
106. di_____y merchandise *v.* to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value

ANSWERS: 98. vision, 99. maintain, 100. curvature, 101. degree, 102. diversity, 103. spot, 104. gland, 105. beam, 106. display

107. the most am_____g feeling	<i>adj.</i> extremely surprising, especially in a way that you like or admire
108. pi___e a mystery	<i>v.</i> to cut or make a way through with a sharp instrument
109. at inc_____le speed	<i>adj.</i> unbelievable; enormous
110. earliest human an_____or	<i>n.</i> a person from whom one is descended; a forefather
111. bachelor's de___e	<i>n.</i> a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
112. a subordinate ki_____m	<i>n.</i> the country ruled by a king or queen
113. get ne_____s	<i>adj.</i> worried and anxious about something; relating to the nerves
114. im___r my health	<i>v.</i> to damage something or make it weaker or worse
115. inc_____le amount	<i>adj.</i> unbelievable; enormous
116. a mas_____ce of design	<i>n.</i> a work of art that is exceptionally good or highly skilled; a great achievement
117. ab___d storyline	<i>adj.</i> ridiculously silly, unreasonable, or illogical
118. ack_____ged beauty	<i>adj.</i> recognized or admitted as being true or valid
119. an_____or language	<i>n.</i> a person from whom one is descended; a forefather
120. cry_____ne water	<i>adj.</i> resembling crystal in clarity, transparency, or brilliance; having a highly ordered and symmetrical molecular structure

ANSWERS: 107. amazing, 108. pierce, 109. incredible, 110. ancestor, 111. degree, 112. kingdom, 113. nervous, 114. impair, 115. incredible, 116. masterpiece, 117. absurd, 118. acknowledged, 119. ancestor, 120. crystalline

121. blue i__s *n.* the colored part of the eye that surrounds the pupil; a flower with showy petals, named for its resemblance to the eye's iris
122. ada_____on ability *n.* the action or process of changing to suit different conditions
123. pr_____n synthesis *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
124. in___t position *v.* to turn something upside down, inside out; to reverse the position, order, or relationship of something
125. a mammary gl__d *n.* a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream
126. an ad_____le person *adj.* able or willing to modify or be modified to deal with new situations
127. tr__e back to medieval times *v.* to find or discover someone or something that was lost
128. cry_____ne structure *adj.* resembling crystal in clarity, transparency, or brilliance; having a highly ordered and symmetrical molecular structure
129. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
130. literary mas_____ce *n.* a work of art that is exceptionally good or highly skilled; a great achievement

ANSWERS: 121. iris, 122. adaptation, 123. protein, 124. invert, 125. gland, 126. adaptable, 127. trace, 128. crystalline, 129. brain, 130. masterpiece

131. ev___e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
132. venomous oc____s *n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)
133. cr____re of habit *n.* a living being, especially an animal
134. com____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
135. baby with se____ve skin *adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
136. su____s \$20 billion in sales *v.* to be or do better than someone or something; to excel or go beyond the limits or standards of something
137. ma____in order *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
138. res____on of a conflict *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
139. eve____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
140. sexual pr____ors *n.* an animal whose natural behavior is to prey on others

ANSWERS: 131. evolve, 132. octopus, 133. creature, 134. complexity, 135. sensitive, 136. surpass, 137. maintain, 138. resolution, 139. eventually, 140. predator

141. acc_____ing documents *adj.* being in a position next to or near something or someone
142. old ma__m *n.* a well-known phrase that expresses a general or fundamental truth, principle, or rule for behavior
143. de___t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
144. inflamed sc___a *n.* the tough, white outer layer of the eyeball that covers most of its surface, providing structural support and protection
145. in___t a glass *v.* to turn something upside down, inside out; to reverse the position, order, or relationship of something
146. bl__d to the beauties *adj.* unable to see; unable or unwilling to perceive or understand the true nature of something
147. a s__t on his honor *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
148. a bacterial in_____on *n.* a condition in which pathogenic microorganisms or viruses have entered the body
149. im_____t into the uterus *v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
150. industrial ex_____on *n.* the process of becoming larger or more extensive, or the result of this process

ANSWERS: 141. accompanying, 142. maxim, 143. detect, 144. sclera, 145. invert, 146. blind, 147. spot, 148. infection, 149. implant, 150. expansion

151. marine na____us *n.* a marine mollusk of the cephalopod family that possesses a coiled spiral shell divided into multiple chambers, often found in the Indo-Pacific region, with unique features such as tentacles, an external ornate shell, and a relatively unchanged evolutionary history
152. sc___a color *n.* the tough, white outer layer of the eyeball that covers most of its surface, providing structural support and protection
153. am____g advances *adj.* extremely surprising, especially in a way that you like or admire
154. development of the ne____s system *adj.* worried and anxious about something; relating to the nerves
155. publicly ack____ged truth *adj.* recognized or admitted as being true or valid
156. the me____sm for DNA replication *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
157. g__w gold in the light *v.* to give out a steady, strong light
158. fl____um structure *n.* (plural, flagella) a long, thin, whip-like structure that some cells use for movement
159. treat the in____on with antibiotics *n.* a condition in which pathogenic microorganisms or viruses have entered the body
160. business ho____n *n.* the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated

ANSWERS: 151. nautilus, 152. sclera, 153. amazing, 154. nervous, 155. acknowledged, 156. mechanism, 157. glow, 158. flagellum, 159. infection, 160. horizon

161. horizontal dis_____on *n.* the alteration or misrepresentation of something so that it is no longer true or accurate; the way in which a sound or image is changed or distorted
162. pi___e the armored shells *v.* to cut or make a way through with a sharp instrument
163. plenty of fl__ds *n.* a substance that can flow and is not solid
164. mental fle_____ty *n.* the quality of changing or being changed easily according to new conditions or situations
165. se_____ve documents *adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
166. a glare of su_____ht *n.* the light emitted by the sun; the rays of the sun
167. past mil_____um *n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)
168. fl__d assets *n.* a substance that can flow and is not solid
169. eve_____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
170. re___al cells *n.* the innermost light-sensitive membrane covering the back wall of the eyeball
171. pl_____an regeneration *n.* a small, flatworm with a simple nervous system found in freshwater environments that is used as a model organism in biological and medical research, especially for studying regeneration

ANSWERS: 161. distortion, 162. pierce, 163. fluid, 164. flexibility, 165. sensitive, 166. sunlight, 167. millennium, 168. fluid, 169. eventually, 170. retina, 171. planarian

172. field of vi___l arts *adj.* relating to seeing or sight
173. re___a scanner *n.* the innermost light-sensitive membrane covering the back wall of the eyeball
174. im_____t genes in the animals *v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind

ANSWERS: 172. visual, 173. retina, 174. implant

Session 3: Fill in the Blanks

1. His _____ expertise in the field earned him the respect of his peers.
adj. recognized or admitted as being true or valid
2. The students observed the fascinating _____ movement under the microscope, noting its whip-like flagellum.
n. a single-celled organism belonging to the group of protists, typically green, and can undergo photosynthesis but can also feed on other organisms
3. The security camera has _____ four intruders.
v. to find or recognize something, especially something difficult to see, hear, etc.
4. The geologist found a beautiful specimen of a _____ mineral.
adj. resembling crystal in clarity, transparency, or brilliance; having a highly ordered and symmetrical molecular structure
5. The native South American animals were in danger because of the _____ arrival.
n. an animal whose natural behavior is to prey on others
6. The company's _____ approach has been highly effective.
n. the action or process of changing to suit different conditions
7. The body needs a certain amount of _____ to build and repair tissues.
n. a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
8. Our world is in the third _____.
n. a span of 1000 years, or the 1000th anniversary (plural: millennia)

ANSWERS: 1. acknowledged, 2. euglena, 3. detected, 4. crystalline, 5. predator's, 6. adaptation, 7. protein, 8. millennium

9. He experienced nausea after eating live _____.
- n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)
10. _____ help dispose of the food waste produced by humans.
- n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes
11. The extreme cold _____ our bones.
- v.* to cut or make a way through with a sharp instrument
12. The _____ of the earth can be seen from space.
- n.* the degree to which a line or surface deviates from being straight or flat; a measure of the amount of bending of a curve
13. We seek a candidate who possesses _____ fighting potential.
- adj.* able or willing to modify or be modified to deal with new situations
14. The accident made his vision _____.
- v.* to damage something or make it weaker or worse
15. This operation requires both patience and _____.
- n.* the quality or condition of being exact and accurate
16. He created a beautiful piece of music using only _____.
- n.* the act of making something up on the spot or creating or performing something without preparation
17. Driving is difficult for me because of my poor _____.
- n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

ANSWERS: 9. octopus, 10. Worms, 11. pierced, 12. curvature, 13. adaptable, 14. impaired, 15. precision, 16. improvisation, 17. vision

18. The sun set over the crest of _____ hills.

adj. far away in space, time, or where you are; far apart in relevance, relationship, or kinship

19. The campaign ad was designed with bright colors and bold fonts for maximum _____ impact.

adj. relating to vision or the eyes; relating to or involving light or optics

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

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

21. The doctor noted a yellow _____ staining in the patient's eyes, indicating a potential liver issue.

n. the tough, white outer layer of the eyeball that covers most of its surface, providing structural support and protection

22. They study the _____ of the universe.

n. a gradual process of transformation of living things

23. She was nearly _____ due to severe diabetes.

adj. unable to see; unable or unwilling to perceive or understand the true nature of something

24. He discovered unique _____ for photochemical reactions.

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

25. The deep sea _____ was unlike anything the scientists had ever seen before.

n. a living being, especially an animal

ANSWERS: 18. distant, 19. optic, 20. horizon, 21. sclera, 22. evolution, 23. blind, 24. mechanisms, 25. creature

26. The _____ music was soothing and added to the ambiance.
adj. being in a position next to or near something or someone
27. We dealt with those problems with speed and _____.
n. the quality of changing or being changed easily according to new conditions or situations
28. 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
29. The doctor will _____ a pacemaker to regulate his heart rate.
v. to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
30. This evidence will form the _____ for our discussion.
n. the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
31. The teacher is very _____ to children's feelings.
adj. able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
32. There is nothing more valuable than _____ and freedom.
n. freedom from another's or others' control or influence
33. I need to _____ my car regularly to prevent any major mechanical issues.
v. to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

ANSWERS: 26. accompanying, 27. flexibility, 28. complexity, 29. implant, 30. basis, 31. sensitive, 32. independence, 33. maintain

34. The instrument has a high _____ to temperature changes.
n. the ability to perceive or respond to subtle differences or changes; the ability to understand and respond to the needs and feelings of others
35. The minority _____ believed in a set of unconventional religious practices.
n. a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream
36. The cerebral _____ consists of six layers.
n. the outermost layer of an organ, especially the brain
37. Radiation from _____ has a different wavelength.
n. the light emitted by the sun; the rays of the sun
38. A good _____ is never out of season.
n. a well-known phrase that expresses a general or fundamental truth, principle, or rule for behavior
39. He decided to _____ his investment portfolio, shifting from stocks to bonds.
v. to turn something upside down, inside out; to reverse the position, order, or relationship of something
40. He was impressed by the range and _____ of the collection.
n. the quality or fact of many different types of things or people being included in something; a range of different things or people
41. The golfer recorded an _____ distance.
adj. extremely surprising, especially in a way that you like or admire

ANSWERS: 34. sensitivity, 35. sect, 36. cortex, 37. sunlight, 38. maxim, 39. invert, 40. diversity, 41. amazing

42. By remaining neutral, this _____ continued to exist.
- n.* the country ruled by a king or queen
43. Hounds _____ their prey by using their keen scent.
- v.* to go after and try to catch wild animals to kill them for food, sport, or profit
44. The essence of economics is to _____ the allocation of limited resources.
- v.* to make the best or most effective use of something
45. The sun was setting, and the sky _____ with beautiful colors.
- v.* to give out a steady, strong light
46. Infrared cameras detect _____ in the infrared range of the electromagnetic spectrum.
- n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
47. The sun's _____ shone through the window and illuminated the room.
- n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
48. 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
49. _____ move quickly through the outflow of water from a muscular funnel beneath the head.
- n.* marine mollusk such as an octopus or squid, characterized by a well-developed head, eyes, and tentacles (= long parts like arms)

ANSWERS: 42. kingdom, 43. hunt, 44. optimize, 45. glowed, 46. photons, 47. beam, 48. process, 49. Cephalopods

50. Eyeless fish _____ in dark caves.

- v.* to develop gradually, or to cause the development of something or someone gradually

51. She received her _____ in psychology from the university.

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

52. Life expectancy has grown _____ this century.

- adv.* in a very impressive manner

53. We immediately rejected his _____ suggestion.

- adj.* ridiculously silly, unreasonable, or illogical

54. A _____ engineer is still in demand in many companies.

- adj.* operated by a machine, relating to or concerned with machinery or tools

55. The adrenal _____ produce steroids.

- n.* a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream

56. My remote _____ immigrated to the United States from Ireland in the 1800s.

- n.* a person from whom one is descended; a forefather

57. The camera's _____ lens creates a unique blur effect in photographs.

- n.* a tiny hole in a material, often made by a needle, that allows light or other substances to pass through

58. The chambered _____ propels itself by expelling water from its mantle cavity, allowing it to move backward.

- n.* a marine mollusk of the cephalopod family that possesses a coiled spiral shell divided into multiple chambers, often found in the Indo-Pacific region, with unique features such as tentacles, an external ornate shell, and a relatively unchanged evolutionary history

ANSWERS: 50. evolved, 51. degree, 52. dramatically, 53. absurd, 54. mechanical,

55. glands, 56. ancestor, 57. pinhole, 58. nautilus

59. The corporation _____ dominated the entire tobacco business.
adv. finally, particularly after a long time or a lot of struggle, complications, and so on
60. The _____ of the eye contracts and expands to control the amount of light that enters.
n. the colored part of the eye that surrounds the pupil; a flower with showy petals, named for its resemblance to the eye's iris
61. We need to _____ our products in an attractive way to attract customers.
v. to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value
62. The nervous system of _____ is relatively simple and easy to study.
n. a small, flatworm with a simple nervous system found in freshwater environments that is used as a model organism in biological and medical research, especially for studying regeneration
63. Let's _____ the origins of some familiar foreign words.
v. to find or discover someone or something that was lost
64. Her response revealed _____ idiocy.
adj. unbelievable; enormous
65. He made a New Year's _____ to exercise more and eat healthier.
n. a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
66. Can you _____ 123321 by eleven?
v. to separate or cause to separate into parts or groups

ANSWERS: 59. eventually, 60. iris, 61. display, 62. planarians, 63. trace, 64. incredible, 65. resolution, 66. divide

67. The chairperson _____ him the right to speak.
- v.* to agree to give or allow somebody
68. The photographer took this photo using a telephoto _____.
- n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation
69. She was diagnosed with a _____ buildup in her lungs.
- n.* a substance that can flow and is not solid
70. The _____ of the production process led to a significant increase in efficiency.
- n.* the process of making something better or more sophisticated or of improving something by making it more accurate or precise
71. X-rays revealed a small tumor in his _____.
- n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
72. Hospitals must meet various standards to prevent nosocomial _____.
- n.* a condition in which pathogenic microorganisms or viruses have entered the body
73. The organizational _____ of start-ups is often flat and straightforward.
- n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
74. Her report was criticized as a gross _____ of the truth.
- n.* the alteration or misrepresentation of something so that it is no longer true or accurate; the way in which a sound or image is changed or distorted

ANSWERS: 67. granted, 68. lens, 69. fluid, 70. refinement, 71. brain, 72. infections, 73. structure, 74. distortion

75. The company is undergoing an _____ opening new locations in several states.
- n.* the process of becoming larger or more extensive, or the result of this process
76. This remote _____ is rarely visited.
- n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
77. The athlete's record-breaking performance _____ all expectations.
- v.* to be or do better than someone or something; to excel or go beyond the limits or standards of something
78. The _____ material must be stored in a dark room to prevent damage.
- adj.* sensitive or responsive to light, particularly in a scientific or medical context; referring to the ability to react to or be affected by light
79. The building makes a remarkable _____ impact.
- adj.* relating to seeing or sight
80. A _____ of grapes hung from the vine.
- n.* a group of similar things or people close together, often forming a distinct mass or unit
81. The focus of these initiatives is to make the financial system more _____.
- adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
82. The _____ of the sperm cells help it to move towards the egg.
- n.* (plural, flagella) a long, thin, whip-like structure that some cells use for movement

ANSWERS: 75. expansion, 76. spot, 77. surpassed, 78. photosensitive, 79. visual, 80. cluster, 81. transparent, 82. flagellum

83. He suffers from _____ breakdowns.

adj. worried and anxious about something; relating to the nerves

84. The Mona Lisa is widely considered to be a _____ of art.

n. a work of art that is exceptionally good or highly skilled; a great achievement

85. I advised him to _____ to his new surroundings.

v. to make fit for or change to suit a new purpose or environment

86. The majority of snakes swallow their _____ whole.

n. the object of a hunt; an animal hunted or trapped for eating

87. Damage to the _____ may play a role in the development of glaucoma.

n. the innermost light-sensitive membrane covering the back wall of the eyeball

ANSWERS: 83. nervous, 84. masterpiece, 85. adapt, 86. prey, 87. retina