

Englist.me



Vocabulary Builder Reference from...

Alan Russell: The potential of regenerative medicine | TED Talk

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

Advanced Words Only

IMPORTANT

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

Session 1: Word List

Alzheimer

n. a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults

synonym : dementia, memory loss, cognitive decline

(1) **Alzheimer's** brain, (2) **Alzheimer's** risk factors

My grandmother has **Alzheimer's** disease requires special care and attention from her caregivers.

debilitating

adj. weakening or damaging; causing a loss of strength, energy, or success

synonym : weakening, exhausting

(1) **debilitating** virus, (2) **debilitating** effect

His **debilitating** illness made it difficult for him to leave the house.

hurdle

n. a barrier or obstacle that must be overcome

synonym : obstacle, barrier, challenge

(1) overcome **hurdles**, (2) **hurdle** race

The company faced several **hurdles** in the development of its new product.

bionic

adj. relating to or using technology or devices that enhance or replace biological functions, typically in a way that

mimics or improves upon the original

(1) **bionic** exoskeleton, (2) **bionic** technology

The soldier was fitted with a **bionic** arm after losing him in combat.

regenerative

adj. tending to regrow or restore lost or injured tissue

synonym: rejuvenating, restorative, healing

(1) **regenerative** medicine, (2) **regenerative** therapy

The **regenerative** properties of stem cells make them a promising area of research.

medicinal

adj. of or relating to the treatment or cure of disease

synonym: curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**

The **medicinal** properties of this herb have been known to help with various ailments.

timescale

n. a period or interval of time, particularly one used as a standard for measuring or comparing other periods of time; a reference point or benchmark for the duration or length of a particular event or process

synonym: time frame, schedule, duration

(1) long- **timescale**, (2) realistic **timescale**

The **timescale** for completing the construction project is three years.

antithesis

n. the direct opposite; a contrast or opposition between two things

synonym: opposition, contrast, reverse

(1) make an **antithesis**, (2) the **antithesis** of evil

The **antithesis** of love is hate.

ameliorate

v. to make something better or improve a situation; to lessen the severity or extent of something negative; to enhance or upgrade something

synonym: improve, enhance, upgrade

(1) **ameliorate** symptoms, (2) **ameliorate** the situation
We need to **ameliorate** the living conditions in the refugee camps.

regenerate

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

(1) **regenerate** bone tissue, (2) a **regenerate** sinner
The new CEO's primary mission is to **regenerate** the company on the verge of bankruptcy.

bioreactor

n. a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes
synonym: fermenter

(1) **bioreactor** engineering, (2) anaerobic **bioreactor**
The scientists optimized the conditions in the **bioreactor** to increase the yield of the desired product.

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**.

untie

v. to unfasten or loosen a knot, tie, or fastening; to release or free something that has been tied or bound
synonym: untangle, unfasten, undo

(1) **untie** the ribbon, (2) **untie** shoelaces
I needed to **untie** the knots in my shoelaces before I could put my shoes on.

industrialize

v. to organize the production of something into an industry
synonym: motorize

(1) **industrialize** service, (2) **industrialized** textile production

The nations of South East Asia will quickly **industrialize** and catch up with the West.

ration

n. a fixed portion or allowance of something, often referring to food, supplies, or resources, that is distributed or allocated to individuals or groups, especially during times of scarcity or in organized systems

synonym : quota, allowance, allocation

(1) food **ration**, (2) fuel **ration**

During the war, families were given a monthly **ration** of essential goods to ensure everyone had access to basic necessities.

depress

v. to make someone feel sad, low in spirits, or without hope; to make markets, businesses, etc., less active

synonym : sadden, discourage, deflate

(1) **depress** their spirits, (2) **depress** crop prices

The economic recession **depressed** the housing market.

inject

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

synonym : shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

pancreas

n. a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine

synonym : gland, organ, islet

(1) **pancreas** inflammation, (2) **pancreas** function

The endocrine function of the **pancreas** involves the secretion of hormones such as insulin.

newt

n. a small, typically aquatic amphibian of the salamander family with slender bodies and long tails

synonym : lizard, eft, amphibian

(1) **newt** habitat, (2) red-spotted **newt**

I saw a small **newt** crawling from under the rocks near the pond.

regrow

v. to grow back or regenerate after being cut or removed, such as cells or tissues in the body, or plants and vegetation

synonym : regenerate

(1) **regrow** hair, (2) **regrow** vegetation

Lizards can **regrow** their tails if they are cut off.

regeneration

n. the process of regrowing or re-forming a body part or tissue that has been lost or damaged due to injury, disease, or other factors; restoration or renewal of vitality, strength, or spirit

synonym : renewal, regrowth, restoration

(1) economic **regeneration**, (2) **regeneration** of forests

The **regeneration** of the damaged tissue in the body is a slow process.

foresee

v. to perceive or predict; to anticipate or expect something to happen in the future

synonym : predict, anticipate, forecast

(1) **foresee** the consequences, (2) **foresee** challenges

I **foresee** a problem arising if we don't address this issue now.

rehabilitate

v. to restore to good health or physical condition; to help someone return to a normal life, especially after a period of illness, addiction, or imprisonment

synonym : reform, restore, renovate

(1) **rehabilitate** prisoners, (2) **rehabilitate** wildlife

The organization works to **rehabilitate** drug addicts and help them rebuild their lives.

prosthetic

adj. of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant

(1) have **prosthetic** arms, (2) **prosthetic** limbs

New **prosthetic** joints are less prone to metal poisoning.

fetus

n. an unborn or unhatched animal in the later stages of development showing the main recognizable features of the mature animal

(1) development of the **fetus**, (2) an aborted **fetus**

The female vagina is elastic enough to allow the passage of a **fetus**.

mammalian

adj. of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior

synonym: animal, mammal-like, warm-blooded

(1) **mammalian** embryo, (2) **mammalian** evolution

Mammalian milk is known to be rich in protein and essential vitamins.

trimester

n. approximately three months, especially one of the three three-month periods into which human pregnancy is traditionally divided; one of three divisions of an academic year

synonym: quarter, three months, 13 weeks

(1) second **trimester** ends, (2) **trimester** system

The first **trimester** of pregnancy is the most crucial for the development of the fetus.

fingertip

n. the end or tip of a finger

(1) apply **fingertip** pressure, (2) burn my **fingertip**

The archaeologist ran his **fingertips** along the pattern of the tombstones.

toolbox

n. a container or storage unit for tools, typically characterized by a handle and one or more compartments for organizing and storing various tools and equipment

synonym : tool chest, tool kit, tool bag

(1) design **toolbox**, (2) **toolbox** storage

You should always keep a basic **toolbox** in your car in case of an emergency.

converse

v. to talk informally

synonym : discourse, discuss, exchange

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

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

secondly

adv. used to introduce the second point or item in a list or series of statements, considerations, etc.

synonym : in the second place, next, subsequently

(1) **secondly** connected, (2) **secondly**, it is important

Firstly, we will discuss the budget; **secondly**, we will go over the schedule.

offload

v. to transfer the responsibility or burden of something or someone to another person or group; to unload or discharge goods or cargo from a vehicle or ship

synonym : unload, transfer, delegate

(1) **offload** the van, (2) **offload** freight

They **offloaded** the cargo from the ship to the dock.

intestine

n. a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products

synonym : gut, bowel, tract

(1) large **intestine**, (2) **intestine** wall

The small **intestine** is responsible for absorbing most of the nutrients from food.

squeamish

adj. easily nauseated or disgusted; readily affected by or sensitive to unpleasant or shocking things; excessively fastidious or scrupulous about one's actions or behavior

synonym : delicate, queasy

(1) **squeamish** reaction, (2) avoid **squeamish** topics

She's a bit **squeamish** when it comes to handling raw meat.

ulcer

n. a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems

synonym : lesion, sore, wound

(1) mouth **ulcer**, (2) gastric **ulcer**

The stress of the job caused him to develop an **ulcer** in his stomach.

amputation

n. the act of cutting off a part of the body surgically

(1) **amputation** of leg, (2) hand **amputation**

Amputation of the limb is a last resort for the patient.

nostril

n. either of the two openings in the nose through which air is breathed

synonym : nose hole, nasal passage, naris

(1) bleeding **nostril**, (2) clogged **nostril**

She had a tissue ready to wipe her **nostril** after a sneeze.

dolphin

n. a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid

synonym : porpoise, cetacean, marine mammal

(1) **dolphin** show, (2) **dolphin-watching** tour

The large group of **dolphins** swam gracefully in the ocean, jumping out of the water now and then.

institutionalize

v. to establish or make something a part of an institution (= a place such as a university, hospital, etc.)

synonym : formalize, establish, regularize

(1) **institutionalize** a system, (2) **institutionalize** customary laws

The new policy aims to **institutionalize** the use of renewable energy sources.

aft

adj. (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle

(1) **aft** cabin, (2) **aft** view

The **aft** section of the ship suffered significant damage after the collision with the reef.

degrade

v. to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others

synonym: demean, disgrace, impair

(1) **degrade** his public image, (2) **degrade** environmental quality

You should not **degrade** yourself by allowing them to use you.

peel

v. to remove the skin of fruit and vegetables

synonym: pare, unclothe, disrobe

(1) **peel** a fruit, (2) **peel** off easily

The storm had **peeled** all paint off the siding.

gore

v. to pierce with a sharp object, causing injury or death;
(noun) coagulated blood from a wound

synonym: pierce, stab, puncture

(1) **gore** him with a weapon, (2) **gore** scene

The hunter **gored** the deer with an arrow.

asymptomatic

adj. not experiencing or exhibiting any symptoms of a particular disease or condition, even though the individual may be infected or affected by it

synonym: asymptotic, symptomless, unnoticeable

(1) **asymptomatic** carrier, (2) **asymptomatic** infection
The study showed that one-third of infected individuals could remain **asymptomatic** throughout the disease.

laparoscopy

n. a surgical procedure that involves the insertion of a thin, lighted instrument called a laparoscope through a small incision in the abdomen, allowing doctors to examine and diagnose internal organs or perform minimally invasive surgeries

synonym: endoscopy, keyhole surgery

(1) **laparoscopy** surgery, (2) diagnostic **laparoscopy**

A small camera is inserted into the abdomen during the **laparoscopy** procedure to visualize the internal organs.

liposuction

n. (also "lipectomy") a surgical procedure in which excess fat is removed from specific areas of the body, typically through suction, commonly used for cosmetic purposes to improve body contouring or treat certain medical conditions

synonym: liposculpture, fat removal, body contouring

(1) cosmetic **liposuction**, (2) abdominal **liposuction**

The recovery period after **liposuction** typically involves wearing compression garments and avoiding strenuous activities.

tuck

v. to push a stray piece of clothing or material into a particular area or position, especially to make it more orderly or comfortable

synonym: insert, wrap, pinch

(1) **tuck** a baby in the blanket, (2) **tuck** into another cigarette

You should **tuck** your shirt into your trousers.

neuron

n. a cell that is specialized to carry information within the brain and between the brain and other parts of the body

synonym: nerve cell

(1) excite the **neurons**, (2) **neuron** cell body

Our body transfers information along each **neuron** using an electrical impulse.

adipose

adj. relating to or composed of fatty tissue; fatty or fat-like in nature

synonym : fatty, fat-filled, corpulent

(1) **adipose** tissue, (2) **adipose** cells

The doctor advised the patient to reduce their **adipose** intake to improve their health.

heartbreak

n. a feeling of great sadness or disappointment

synonym : grief, sorrow, bitterness

(1) ease her **heartbreak**, (2) go through **heartbreak**

They had experienced the **heartbreak** of losing two children due to premature births.

sod

n. a section of grass-covered surface soil held together by matted roots; a piece of turf or the layer of soil and grass cut and used to establish a new lawn or repair an existing one; a derogatory term for a person, often used to express annoyance or contempt

synonym : turf, dirt, ground

(1) **sod** house, (2) **sod** roof

I slipped and fell on the wet **sod** after the rainstorm.

fertilize

v. to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well

synonym : pollinate, inseminate, enrich

(1) **fertilize** the soil, (2) **fertilize** the female egg

The couple decided to use the non-husband sperm to **fertilize** a wife.

quote

v. to repeat or reproduce the words or statement of someone else, often acknowledging the source; to give an estimated cost or price for goods or services

synonym : cite, reference, mention

(1) **quote** a source, (2) **quote** a price

In his speech, he **quoted** a famous philosopher to emphasize his point.

testy

adj. easily irritated or annoyed; prone to outbursts of impatience or temper

synonym: irritable, grumpy, short-tempered

(1) **testy** temperament, (2) **testy** mood

The teacher's **testy** response shocked the students, who had only asked a simple question.

Session 2: Spelling

- | | | |
|--|------|---|
| 1. qu__e a source | v. | to repeat or reproduce the words or statement of someone else, often acknowledging the source; to give an estimated cost or price for goods or services |
| 2. tr_____er system | n. | approximately three months, especially one of the three three-month periods into which human pregnancy is traditionally divided; one of three divisions of an academic year |
| 3. t__k into another cigarette | v. | to push a stray piece of clothing or material into a particular area or position, especially to make it more orderly or comfortable |
| 4. a_t view | adj. | (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle |
| 5. a reg_____te sinner | v. | to improve or renew an area, institution, system, etc., especially by making it more active or successful |
| 6. in___t a personal opinion into a debate | v. | to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube) |
| 7. g__e him with a weapon | v. | to pierce with a sharp object, causing injury or death; (noun) coagulated blood from a wound |

ANSWERS: 1. quote, 2. trimester, 3. tuck, 4. aft, 5. regenerate, 6. inject, 7. gore

8. reg_____ive medicine *adj.* tending to regrow or restore lost or injured tissue
9. pa_____as function *n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine
10. re____w hair *v.* to grow back or regenerate after being cut or removed, such as cells or tissues in the body, or plants and vegetation
11. to_____x storage *n.* a container or storage unit for tools, typically characterized by a handle and one or more compartments for organizing and storing various tools and equipment
12. bi____c technology *adj.* relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original
13. Al_____er's risk factors *n.* a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
14. amp_____on of leg *n.* the act of cutting off a part of the body surgically
15. clogged no_____l *n.* either of the two openings in the nose through which air is breathed

ANSWERS: 8. regenerative, 9. pancreas, 10. regrow, 11. toolbox, 12. bionic, 13. Alzheimer, 14. amputation, 15. nostril

16. reh_____ate prisoners *v.* to restore to good health or physical condition; to help someone return to a normal life, especially after a period of illness, addiction, or imprisonment
17. sq_____sh reaction *adj.* easily nauseated or disgusted; readily affected by or sensitive to unpleasant or shocking things; excessively fastidious or scrupulous about one's actions or behavior
18. economic reg_____ion *n.* the process of regrowing or re-forming a body part or tissue that has been lost or damaged due to injury, disease, or other factors; restoration or renewal of vitality, strength, or spirit
19. traditional me_____al *adj.* of or relating to the treatment or cure of disease
20. s_d house *n.* a section of grass-covered surface soil held together by matted roots; a piece of turf or the layer of soil and grass cut and used to establish a new lawn or repair an existing one; a derogatory term for a person, often used to express annoyance or contempt
21. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation
22. co_____se with an acquaintance *v.* to talk informally
23. ad_____e tissue *adj.* relating to or composed of fatty tissue; fatty or fat-like in nature

ANSWERS: 16. rehabilitate, 17. squeamish, 18. regeneration, 19. medicinal, 20. sod, 21. improvisation, 22. converse, 23. adipose

24. the ant_____is of evil *n.* the direct opposite; a contrast or opposition between two things
25. development of the fe__s *n.* an unborn or unhatched animal in the later stages of development showing the main recognizable features of the mature animal
26. of_____d freight *v.* to transfer the responsibility or burden of something or someone to another person or group; to unload or discharge goods or cargo from a vehicle or ship
27. diagnostic lap_____py *n.* a surgical procedure that involves the insertion of a thin, lighted instrument called a laparoscope through a small incision in the abdomen, allowing doctors to examine and diagnose internal organs or perform minimally invasive surgeries
28. n__t habitat *n.* a small, typically aquatic amphibian of the salamander family with slender bodies and long tails
29. an aborted fe__s *n.* an unborn or unhatched animal in the later stages of development showing the main recognizable features of the mature animal
30. abdominal lip_____on *n.* (also "lipectomy") a surgical procedure in which excess fat is removed from specific areas of the body, typically through suction, commonly used for cosmetic purposes to improve body contouring or treat certain medical conditions

ANSWERS: 24. antithesis, 25. fetus, 26. offload, 27. laparoscopy, 28. newt, 29. fetus, 30. liposuction

31. ins_____ize a system *v.* to establish or make something a part of an institution (= a place such as a university, hospital, etc.)
32. a_t cabin *adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
33. cosmetic lip_____on *n.* (also "lipectomy") a surgical procedure in which excess fat is removed from specific areas of the body, typically through suction, commonly used for cosmetic purposes to improve body contouring or treat certain medical conditions
34. te__y mood *adj.* easily irritated or annoyed; prone to outbursts of impatience or temper
35. realistic ti_____le *n.* a period or interval of time, particularly one used as a standard for measuring or comparing other periods of time; a reference point or benchmark for the duration or length of a particular event or process
36. Al_____er's brain *n.* a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
37. have pro_____ic arms *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
38. t__k a baby in the blanket *v.* to push a stray piece of clothing or material into a particular area or position, especially to make it more orderly or comfortable

ANSWERS: 31. institutionalize, 32. aft, 33. liposuction, 34. testy, 35. timescale, 36. Alzheimer, 37. prosthetic, 38. tuck

39. go through hea_____ak *n.* a feeling of great sadness or disappointment
40. re___w vegetation *v.* to grow back or regenerate after being cut or removed, such as cells or tissues in the body, or plants and vegetation
41. large in_____ne *n.* a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products
42. ask a co_____se question *v.* to talk informally
43. in___t under the skin *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
44. in_____ne wall *n.* a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products
45. ma_____an embryo *adj.* of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior
46. fo_____e challenges *v.* to perceive or predict; to anticipate or expect something to happen in the future
47. de_____e his public image *v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others

ANSWERS: 39. heartbreak, 40. regrow, 41. intestine, 42. converse, 43. inject, 44. intestine, 45. mammalian, 46. foresee, 47. degrade

48. te__y temperament *adj.* easily irritated or annoyed; prone to outbursts of impatience or temper
49. ad____e cells *adj.* relating to or composed of fatty tissue; fatty or fat-like in nature
50. excite the ne____ns *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
51. of____d the van *v.* to transfer the responsibility or burden of something or someone to another person or group; to unload or discharge goods or cargo from a vehicle or ship
52. fo____e the consequences *v.* to perceive or predict; to anticipate or expect something to happen in the future
53. lap____py surgery *n.* a surgical procedure that involves the insertion of a thin, lighted instrument called a laparoscope through a small incision in the abdomen, allowing doctors to examine and diagnose internal organs or perform minimally invasive surgeries
54. deb____ing effect *adj.* weakening or damaging; causing a loss of strength, energy, or success
55. avoid sq____sh topics *adj.* easily nauseated or disgusted; readily affected by or sensitive to unpleasant or shocking things; excessively fastidious or scrupulous about one's actions or behavior
56. reh____ate wildlife *v.* to restore to good health or physical condition; to help someone return to a normal life, especially after a period of illness, addiction, or imprisonment

ANSWERS: 48. testy, 49. adipose, 50. neuron, 51. offload, 52. foresee, 53. laparoscopy, 54. debilitating, 55. squeamish, 56. rehabilitate

57. hand amp_____on *n.* the act of cutting off a part of the body surgically
58. pa_____as inflammation *n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine
59. reg_____ion of forests *n.* the process of regrowing or re-forming a body part or tissue that has been lost or damaged due to injury, disease, or other factors; restoration or renewal of vitality, strength, or spirit
60. bio_____or engineering *n.* a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes
61. un__e shoelaces *v.* to unfasten or loosen a knot, tie, or fastening; to release or free something that has been tied or bound
62. do_____n-watching tour *n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid
63. food ra____n *n.* a fixed portion or allowance of something, often referring to food, supplies, or resources, that is distributed or allocated to individuals or groups, especially during times of scarcity or in organized systems
64. fe_____ze the soil *v.* to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well

ANSWERS: 57. amputation, 58. pancreas, 59. regeneration, 60. bioreactor, 61. untie, 62. dolphin, 63. ration, 64. fertilize

65. ma_____an evolution *adj.* of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior
66. design to_____x *n.* a container or storage unit for tools, typically characterized by a handle and one or more compartments for organizing and storing various tools and equipment
67. ame_____te symptoms *v.* to make something better or improve a situation; to lessen the severity or extent of something negative; to enhance or upgrade something
68. gastric ul__r *n.* a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems
69. deb_____ing virus *adj.* weakening or damaging; causing a loss of strength, energy, or success
70. p__l a fruit *v.* to remove the skin of fruit and vegetables
71. de_____e environmental quality *v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
72. ease her hea_____ak *n.* a feeling of great sadness or disappointment

ANSWERS: 65. mammalian, 66. toolbox, 67. ameliorate, 68. ulcer, 69. debilitating, 70. peel, 71. degrade, 72. heartbreak

73. imp_____ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation
74. second tr_____er ends *n.* approximately three months, especially one of the three three-month periods into which human pregnancy is traditionally divided; one of three divisions of an academic year
75. pro_____ic limbs *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
76. g__e scene *v.* to pierce with a sharp object, causing injury or death; (noun) coagulated blood from a wound
77. se_____ly, it is important *adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.
78. de_____s their spirits *v.* to make someone feel sad, low in spirits, or without hope; to make markets, businesses, etc., less active
79. reg_____ive therapy *adj.* tending to regrow or restore lost or injured tissue
80. se_____ly connected *adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.
81. mouth ul__r *n.* a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems

ANSWERS: 73. improvisation, 74. trimester, 75. prosthetic, 76. gore, 77. secondly, 78. depress, 79. regenerative, 80. secondly, 81. ulcer

82. do____n show *n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid
83. p__l off easily *v.* to remove the skin of fruit and vegetables
84. de____s crop prices *v.* to make someone feel sad, low in spirits, or without hope; to make markets, businesses, etc., less active
85. asy____tic carrier *adj.* not experiencing or exhibiting any symptoms of a particular disease or condition, even though the individual may be infected or affected by it
86. fe____ze the female egg *v.* to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well
87. un__e the ribbon *v.* to unfasten or loosen a knot, tie, or fastening; to release or free something that has been tied or bound
88. s_d roof *n.* a section of grass-covered surface soil held together by matted roots; a piece of turf or the layer of soil and grass cut and used to establish a new lawn or repair an existing one; a derogatory term for a person, often used to express annoyance or contempt
89. bi___c exoskeleton *adj.* relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original

ANSWERS: 82. dolphin, 83. peel, 84. depress, 85. asymptomatic, 86. fertilize, 87. untie, 88. sod, 89. bionic

90. ame_____te the situation *v.* to make something better or improve a situation; to lessen the severity or extent of something negative; to enhance or upgrade something
91. qu__e a price *v.* to repeat or reproduce the words or statement of someone else, often acknowledging the source; to give an estimated cost or price for goods or services
92. ind_____ized textile production *v.* to organize the production of something into an industry
93. me_____al chemistry *adj.* of or relating to the treatment or cure of disease
94. ind_____ize service *v.* to organize the production of something into an industry
95. burn my fi_____ip *n.* the end or tip of a finger
96. anaerobic bio_____or *n.* a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes
97. red-spotted n__t *n.* a small, typically aquatic amphibian of the salamander family with slender bodies and long tails
98. asy_____tic infection *adj.* not experiencing or exhibiting any symptoms of a particular disease or condition, even though the individual may be infected or affected by it
99. fuel ra___n *n.* a fixed portion or allowance of something, often referring to food, supplies, or resources, that is distributed or allocated to individuals or groups, especially during times of scarcity or in organized systems

ANSWERS: 90. ameliorate, 91. quote, 92. industrialize, 93. medicinal, 94. industrialize, 95. fingertip, 96. bioreactor, 97. newt, 98. asymptomatic, 99. ration

100. ne___n cell body *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
101. make an ant_____is *n.* the direct opposite; a contrast or opposition between two things
102. long-ti_____le *n.* a period or interval of time, particularly one used as a standard for measuring or comparing other periods of time; a reference point or benchmark for the duration or length of a particular event or process
103. ins_____ize customary laws *v.* to establish or make something a part of an institution (= a place such as a university, hospital, etc.)
104. overcome hu___es *n.* a barrier or obstacle that must be overcome
105. apply fi_____ip pressure *n.* the end or tip of a finger
106. bleeding no_____l *n.* either of the two openings in the nose through which air is breathed
107. hu___e race *n.* a barrier or obstacle that must be overcome
108. reg_____te bone tissue *v.* to improve or renew an area, institution, system, etc., especially by making it more active or successful

ANSWERS: 100. neuron, 101. antithesis, 102. timescale, 103. institutionalize, 104. hurdle, 105. fingertip, 106. nostril, 107. hurdle, 108. regenerate

Session 3: Fill in the Blanks

1. A small camera is inserted into the abdomen during the _____ procedure to visualize the internal organs.
 - n.* a surgical procedure that involves the insertion of a thin, lighted instrument called a laparoscope through a small incision in the abdomen, allowing doctors to examine and diagnose internal organs or perform minimally invasive surgeries

2. The teacher's _____ response shocked the students, who had only asked a simple question.
 - adj.* easily irritated or annoyed; prone to outbursts of impatience or temper

3. Lizards can _____ their tails if they are cut off.
 - v.* to grow back or regenerate after being cut or removed, such as cells or tissues in the body, or plants and vegetation

4. 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

5. The nations of South East Asia will quickly _____ and catch up with the West.
 - v.* to organize the production of something into an industry

6. You should _____ your shirt into your trousers.
 - v.* to push a stray piece of clothing or material into a particular area or position, especially to make it more orderly or comfortable

7. The _____ properties of this herb have been known to help with various ailments.
 - adj.* of or relating to the treatment or cure of disease

ANSWERS: 1. laparoscopy, 2. testy, 3. regrow, 4. improvisation, 5. industrialize, 6. tuck, 7. medicinal

8. The company faced several _____ in the development of its new product.
n. a barrier or obstacle that must be overcome
9. Our body transfers information along each _____ using an electrical impulse.
n. a cell that is specialized to carry information within the brain and between the brain and other parts of the body
10. The _____ of love is hate.
n. the direct opposite; a contrast or opposition between two things
11. My grandmother has _____ disease requires special care and attention from her caregivers.
n. a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
12. _____ milk is known to be rich in protein and essential vitamins.
adj. of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior
13. She had a tissue ready to wipe her _____ after a sneeze.
n. either of the two openings in the nose through which air is breathed
14. The economic recession _____ the housing market.
v. to make someone feel sad, low in spirits, or without hope; to make markets, businesses, etc., less active
15. The new policy aims to _____ the use of renewable energy sources.
v. to establish or make something a part of an institution (= a place such as a university, hospital, etc.)

ANSWERS: 8. hurdles, 9. neuron, 10. antithesis, 11. Alzheimer's, 12. Mammalian, 13. nostril, 14. depressed, 15. institutionalize

16. The ___ section of the ship suffered significant damage after the collision with the reef.
adj. (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
17. I slipped and fell on the wet ___ after the rainstorm.
n. a section of grass-covered surface soil held together by matted roots; a piece of turf or the layer of soil and grass cut and used to establish a new lawn or repair an existing one; a derogatory term for a person, often used to express annoyance or contempt
18. His _____ illness made it difficult for him to leave the house.
adj. weakening or damaging; causing a loss of strength, energy, or success
19. The _____ of the damaged tissue in the body is a slow process.
n. the process of regrowing or re-forming a body part or tissue that has been lost or damaged due to injury, disease, or other factors; restoration or renewal of vitality, strength, or spirit
20. You should not _____ yourself by allowing them to use you.
v. to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
21. The study showed that one-third of infected individuals could remain _____ throughout the disease.
adj. not experiencing or exhibiting any symptoms of a particular disease or condition, even though the individual may be infected or affected by it
22. The organization works to _____ drug addicts and help them rebuild their lives.
v. to restore to good health or physical condition; to help someone return to a normal life, especially after a period of illness, addiction, or imprisonment

ANSWERS: 16. aft, 17. sod, 18. debilitating, 19. regeneration, 20. degrade, 21. asymptomatic, 22. rehabilitate

23. The small _____ is responsible for absorbing most of the nutrients from food.
- n.* a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products
24. I needed to _____ the knots in my shoelaces before I could put my shoes on.
- v.* to unfasten or loosen a knot, tie, or fastening; to release or free something that has been tied or bound
25. The hunter _____ the deer with an arrow.
- v.* to pierce with a sharp object, causing injury or death; (noun) coagulated blood from a wound
26. The new CEO's primary mission is to _____ the company on the verge of bankruptcy.
- v.* to improve or renew an area, institution, system, etc., especially by making it more active or successful
27. The soldier was fitted with a _____ arm after losing him in combat.
- adj.* relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original
28. They _____ the cargo from the ship to the dock.
- v.* to transfer the responsibility or burden of something or someone to another person or group; to unload or discharge goods or cargo from a vehicle or ship
29. The endocrine function of the _____ involves the secretion of hormones such as insulin.
- n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine

ANSWERS: 23. intestine, 24. untie, 25. gored, 26. regenerate, 27. bionic, 28. offloaded, 29. pancreas

30. In his speech, he _____ a famous philosopher to emphasize his point.
- v.* to repeat or reproduce the words or statement of someone else, often acknowledging the source; to give an estimated cost or price for goods or services
31. _____ of the limb is a last resort for the patient.
- n.* the act of cutting off a part of the body surgically
32. New _____ joints are less prone to metal poisoning.
- adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
33. The first _____ of pregnancy is the most crucial for the development of the fetus.
- n.* approximately three months, especially one of the three three-month periods into which human pregnancy is traditionally divided; one of three divisions of an academic year
34. The _____ properties of stem cells make them a promising area of research.
- adj.* tending to regrow or restore lost or injured tissue
35. The stress of the job caused him to develop an _____ in his stomach.
- n.* a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems
36. They had experienced the _____ of losing two children due to premature births.
- n.* a feeling of great sadness or disappointment

ANSWERS: 30. quoted, 31. Amputation, 32. prosthetic, 33. trimester, 34. regenerative, 35. ulcer, 36. heartbreak

37. The _____ for completing the construction project is three years.
- n.* a period or interval of time, particularly one used as a standard for measuring or comparing other periods of time; a reference point or benchmark for the duration or length of a particular event or process
38. The female vagina is elastic enough to allow the passage of a _____.
- n.* an unborn or unhatched animal in the later stages of development showing the main recognizable features of the mature animal
39. The recovery period after _____ typically involves wearing compression garments and avoiding strenuous activities.
- n.* (also "lipectomy") a surgical procedure in which excess fat is removed from specific areas of the body, typically through suction, commonly used for cosmetic purposes to improve body contouring or treat certain medical conditions
40. The archaeologist ran his _____ along the pattern of the tombstones.
- n.* the end or tip of a finger
41. During the war, families were given a monthly _____ of essential goods to ensure everyone had access to basic necessities.
- n.* a fixed portion or allowance of something, often referring to food, supplies, or resources, that is distributed or allocated to individuals or groups, especially during times of scarcity or in organized systems
42. The scientists optimized the conditions in the _____ to increase the yield of the desired product.
- n.* a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes

ANSWERS: 37. timescale, 38. fetus, 39. liposuction, 40. fingertips, 41. ration, 42. bioreactor

43. The couple decided to use the non-husband sperm to _____ a wife.
- v. to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well
44. I saw a small _____ crawling from under the rocks near the pond.
- n. a small, typically aquatic amphibian of the salamander family with slender bodies and long tails
45. Let's try to _____ a bit of enthusiasm into your performance.
- v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
46. We need to _____ the living conditions in the refugee camps.
- v. to make something better or improve a situation; to lessen the severity or extent of something negative; to enhance or upgrade something
47. You should always keep a basic _____ in your car in case of an emergency.
- n. a container or storage unit for tools, typically characterized by a handle and one or more compartments for organizing and storing various tools and equipment
48. Firstly, we will discuss the budget; _____ we will go over the schedule.
- adv. used to introduce the second point or item in a list or series of statements, considerations, etc.
49. I _____ a problem arising if we don't address this issue now.
- v. to perceive or predict; to anticipate or expect something to happen in the future
50. The storm had _____ all paint off the siding.
- v. to remove the skin of fruit and vegetables

ANSWERS: 43. fertilize, 44. newt, 45. inject, 46. ameliorate, 47. toolbox, 48. secondly, 49. foresee, 50. peeled

51. The doctor advised the patient to reduce their _____ intake to improve their health.

adj. relating to or composed of fatty tissue; fatty or fat-like in nature

52. The large group of _____ swam gracefully in the ocean, jumping out of the water now and then.

n. a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid

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

v. to talk informally

54. She's a bit _____ when it comes to handling raw meat.

adj. easily nauseated or disgusted; readily affected by or sensitive to unpleasant or shocking things; excessively fastidious or scrupulous about one's actions or behavior

ANSWERS: 51. adipose, 52. dolphins, 53. converse, 54. squeamish