Englist.me

Vocabulary Builder Reference from...

Henna-Maria Uusitupa: How the gut microbes you're born with affect your lifelong health | TED Talk https://www.ted.com/talks/henna_maria_uusitupa_ho w_the_gut_microbes_you_re_born_with_affect_your_lifelong_health



All Words

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

microbe

 a tiny living thing that can only be seen with a microscope and that may cause disease

synonym: germ, microorganism, bacterium

(1) pathogenic **microbe**, (2) **microbes** sterilizer **Microbes** thrive on the surface of the human skin.

infant

n. a baby or very young childsynonym: baby, newborn, tot

(1) infant daughter, (2) infant food

Mozart was an **infant** prodigy.

opposition

the act of disagreeing or resisting; the state of strong disagreement

synonym: resistance, hostility, antagonism

(1) **opposition** campaign, (2) meet with **opposition** The **opposition** party strongly disagreed with the government's proposed legislation.

complexity

 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.

combination

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

synonym: blend, hybrid, compounding

(1) genic **combinations**, (2) **combination** number The **combination** to the safe was a secret.

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.

coexist

 to live or exist together at the same time in the same place

synonym: cohabit, accompany, synchronize

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

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

evolution

- n. a gradual process of transformation of living thingssynonym: elaboration, expansion, transition
- (1) human **evolution**, (2) **evolution** theory They study the **evolution** of the universe.

acquire

v. to buy or obtain something such as an asset, object, knowledge, etc., for oneself

synonym: attain, earn, catch

(1) **acquire** knowledge, (2) **acquire** a new company Children **acquire** language at a fantastic rate.

vagina

 the passage in the body of a woman or female animal that connects her outer sex organs to her uterus

synonym: genitalia, vulva, pudenda

(1) **vagina** cancer care, (2) infection of the **vagina**The muscle around the **vagina** is elastic enough to allow the passage of a fetus.

countless

adj. too numerous to be counted or very many *synonym*: innumerable, myriad, numerous

(1) **countless** hours, (2) answer **countless** questions There are **countless** methods for dealing with stress.

circumstance

the specific conditions or events that surround a particular situation or occurrence

synonym: condition, context, environment

(1) **circumstance** of birth, (2) **circumstance** of injury

She explained the **circumstances** surrounding the accident.

modulate

v. to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something

synonym: regulate, inflect, adjust

(1) **modulate** the function, (2) **modulate** from one key to another

These chemicals **modulate** the effect of metabolism.

gut

n. the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant

synonym: belly, abdomen, courage

(1) the blind gut, (2) gut feelings

He told me a **gut-wrenching** truth about my parent's death.

microbiota

 n. (also "flora") the community of microorganisms that live within a particular environment or host organism, including bacteria, viruses, fungi, and other microorganisms

synonym: microflora, microbiome

(1) intestinal **microbiota**, (2) **microbiota** diversity

Page 3 / 54

The **microbiota** in our gut plays a crucial role in our overall health and immune system.

develop

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

synonym: evolve, progress, advance

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

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

medication

 a drug or other form of medicine that treats, prevents, or alleviates the symptoms of the disease

synonym: cure, drug, medicine

(1) antibiotic **medication**, (2) **medication** by mouth

The pharmacist not only prescribes the **medication** but also guides its proper use.

prescribe

v. (of a doctor) to advise and order the use of particular medicine or treatment for someone, especially in writing; to issue commands or orders for something

synonym: define, specify, stipulate

(1) **prescribe** a drug, (2) **prescribe** in the preceding paragraph

Federal bankruptcy laws **prescribed** the reorganization process.

pet

- an animal that you have at home as a companion and treated kindly
- (1) a **pet** bird, (2) a teacher's **pet** I have a parrot as a **pet**.

sibling

 a brother or sister; member of a family born to the same parents

synonym: brother, sister, relative

(1) have a **sibling** quarrel, (2) play with my **siblings** Children often copy their parents or elder **siblings**.

hygiene

 the practice of maintaining cleanliness in the home and person to prevent illness

synonym: cleanliness, health, sanitation

(1) **hygiene** practices, (2) public **hygiene**Good **hygiene** is important for preventing the spread of illness.

nutrition

n. the substances or the process that organisms take into their bodies as food for their growth and health

synonym: alimentation, nourishment, sustenance

(1) **nutrition** condition, (2) **nutrition** intake

This food contains all the **nutrition** your dog requires.

lifelong

adj. lasting for the whole of someone's life synonym: enduring, eternal, permanent

(1) lifelong career, (2) lifelong commitment

He had a **lifelong** love of reading and spent hours daily with a book.

implication

n. something that is inferred or indirectly stated; the act or fact of being involved in something

synonym: suggestion, association, conclusion

(1) the **implication** in a crime, (2) the **implication** of a word His poem has a very significant **implication**.

likelihood

 the probability or chance that something will happen or be the case

synonym: probability, chance, possibility

(1) **likelihood** of the success, (2) improve the **likelihood** of a cure

The **likelihood** of the project being completed on time is uncertain.

disease

 a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

synonym: illness, ailment, affliction

(1) **disease** prevention, (2) **disease** control

The doctor diagnosed him with a rare **disease** that had no known cure.

obesity

n. the condition of being significantly overweight, typically defined as having a body mass index (BMI) of 30 or greater.

synonym: overweight, corpulence, fattiness

(1) **obesity-related** diseases, (2) suffer from **obesity** The prevalence of **obesity** has increased significantly in recent years.

diabetes

- a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood
- (1) juvenile **diabetes**, (2) **diabetes** patient My father was tested for **diabetes**.

cancer

- abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells
 synonym: tumor, carcinoma, malignancy
- (1) cancer diagnosis, (2) cancer research

Breast **cancer** is the most common type of cancer in women.

inevitable

adj. certain to happen and unavoidable synonym: inescapable, unavoidable, sure

(1) **inevitable** changes of the seasons, (2) **inevitable** result In times of recession, an increase in unemployment is **inevitable**.

invention

 the creation of a new device or process resulting from study and experimentation; the act of inventing

synonym: creation, design, innovation

(1) the **invention** of new techniques, (2) common **invention** Necessity is the mother of **invention**.

valid

adj. having a reasonable basis in logic or fact; still legally or officially acceptable

synonym: proper, reasonable, useful

(1) a **valid** contract, (2) a ticket **valid** for two days Your credit card is no longer **valid**.

disrupt

v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

synonym: interrupt, disturb, break into

(1) **disrupt** a well-ordered condition, (2) **disrupt** sleep I'm so sorry to **disrupt** you when you're pretty busy.

platform

n. the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed

synonym: stage, podium, forum

(1) an arrival **platform**, (2) a digital **platform** for enterprise The speaker mounted the **platform** and started to speak.

aim

- v. to try or plan to get or achieve something synonym: aspire, direct, target
- (1) **aim** at a specific target, (2) **aim** to be a nurse We **aim** for an overseas expansion.

encounter

 to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly

synonym: meet, run into, come across

(1) **encounter** a crisis, (2) **encounter** a storm I'm prepared to **encounter** challenges throughout this adventure.

noble

adj. having or showing excellent personal qualities or high moral principles that people admire

synonym: dignified, aristocratic, benevolent

(1) a **noble** family, (2) **noble** gas

He is a **noble-minded** man

inhabit

v. to live in a specific location; to reside

synonym: settle, occupy, populate

(1) inhabit a cave, (2) inhabit the stomach

I have no idea what sort of folks **inhabit** the neighborhood.

colonize

v. to establish a colony in or on a specific place; to settle or occupy in large numbers

synonym: settle, occupy, inhabit

(1) colonize planets, (2) colonize for cultivation

European powers **colonized** much of the Americas in the 16th and 17th centuries.

march

v. to walk militarily with stiff, regular steps

synonym: parade

(1) march against the war, (2) march east

The troops **marched** shoulder-to-shoulder.

environment

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

synonym: atmosphere, surroundings, climate

(1) environment affairs, (2) chaotic environment

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

invade

 to enter aggressively into another's territory by military force for conquest and occupation

synonym: intrude, raid, overrun

(1) **invade** other tissues, (2) **invade** his privacy

I have no intention to **invade** your privacy.

infrastructure

 n. the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies

synonym: foundation, framework

(1) IT infrastructure, (2) infrastructure cost

Aging societies tend to require huge costs for **infrastructure** maintenance.

settler

 a person who moved with a group of others to live in a different country or area

synonym: frontiersperson, immigrant, emigrant

(1) new **settlers**, (2) **settlers** on some foreign shore

A large proportion of railway workers in **settler** colonies were white.

phase

- any stage in a series of events, change, or developmentsynonym: degree, stage, step
- (1) enter on the last **phase**, (2) two- **phase** structure The era of the industrial revolution was a crucial **phase** of history.

greatly

adv. to an extraordinary extent or degree; very much synonym: enormously, broadly, grandly

(1) **greatly** affect the situation, (2) **greatly** support that player

They **greatly** admired our actions.

feces

- n. waste matter eliminated from the bowels; excrementsynonym: poop, stool, excrement
- (1) **feces** sample, (2) human **feces**

Proper disposal of **feces** is essential for maintaining public health and sanitation.

bacteria

n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease synonym: microorganism, microbe

(1) pathogenic **bacteria**, (2) harmless **bacteria Bacteria** prevalent in hospitals are often resistant to antibiotics.

disadvantage

- n. a drawback or a negative aspect of something; (verb) to put someone or something in an unfavorable position
 synonym: detriment, drawback, (verb) disfavor
- (1) the **disadvantage** of a plan, (2) **disadvantage** small businesses

A lack of education can be a significant **disadvantage** in today's job market.

composition

- n. the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone
 synonym: creating, formatting, arrangement
- (1) age **composition** of the population, (2) the piano passages in the **composition**

Their innovative concepts were consistent across their bodies of **composition**.

associate

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

synonym: tie in, link, consociate

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

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

cardiovascular

- adj. of or relating to the heart and blood vessels (= tubes that carry blood around the body)
- (1) **cardiovascular** diseases, (2) **cardiovascular** tissue Smoking places you at severe risk of **cardiovascular** and respiratory disease.

indication

n. a sign or remark that something exists, is real, or is likely to occur

synonym: clue, hint, inkling

(1) **indication** of inflation, (2) environmental **indication** Faces are a good **indication** of age.

infancy

- n. the state or period of being a baby or very young childsynonym: childhood, babyhood, juvenescence
- (1) **infancy** stage, (2) in early **infancy**

The technology is still in its **infancy** and has much room for improvement.

individual

- n. a single person or thing, as distinct from a group synonym: person, being, self
- (1) a private **individual**, (2) **individual** freedom
 As an **individual**, he had the right to make his own decisions and live his life as he saw fit.

obese

adj. excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more

synonym: overweight, corpulent, plump

(1) obese individuals, (2) obese children

The doctor warned him that his **obese** condition put him at risk for numerous health problems.

overweight

 adj. weighing more than is considered normal, desirable, or healthy for a particular height and build

synonym: heavy, obese, fat

(1) dangerously **overweight**, (2) an **overweight** patient The doctor advised him to lose weight and maintain a healthy diet to avoid becoming **overweight**.

predispose

v. to make someone susceptible

synonym: dispose, incline

(1) **predispose** to the development of cancer,

(2) **predispose** me to become a novelist

Her outstanding achievement **predisposes** people to like her.

antibiotic

 a substance or drug that kills or slows down the growth of bacteria

synonym: antimicrobial, chemotherapeutic, germicide

(1) antibiotic resistance, (2) antibiotic allergy

He has been prescribed an **antibiotic** to treat his infection.

loop

 a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself

synonym: circle, curl, spiral

(1) exit from a **loop**, (2) positive feedback **loop** Many people in this city use the **loop** railway for transportation.

breastfeeding

 the act of feeding a baby with milk produced by the mother's breasts

synonym: nursing, lactation, suckling

(1) **breastfeeding** mother, (2) **breastfeeding** support Getting the hang of **breastfeeding** at first can be challenging, but with patience and practice, it gets easier.

breast

 either of the two round soft parts of a woman's chest which secrete milk after childbirth

synonym: bosom, chest, bust

(1) breast cancer, (2) the mountain's breastHe grilled the breast meat of a chicken.

miraculous

adj. very effective or lucky, or completely unexpected synonym: amazing, astonishing, awesome

(1) a **miraculous** encounter, (2) go through a **miraculous** change

He made a miraculous recovery.

addition

 the act or process of adding something to something else; the process of adding numbers

synonym: accumulation, expansion, addendum

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

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

nutrient

 any substance that is essential for the maintenance and growth of living things

synonym: food, vitamin

(1) **nutrient** medicine, (2) a **nutrient** for hair

They used fast-acting **nutrients** on the flowers in the flower beds.

giant

 adj. enormous; much bigger or more important than similar items usually are

synonym: big, gigantic, huge

(1) giant trees, (2) giant tech company

The **giant** jets gradually dominate the world's airlines.

ingest

v. to take food or drink into the body, often through the mouth; to absorb or assimilate something, often used to describe the intake of information or knowledge

synonym: swallow, consume, devour

(1) **ingest** food, (2) **ingest** medication

People who compulsively **ingest** non-food items, such as dirt or chalk, suffer from a condition called pica.

probiotic

 a substance, typically a live bacterium, that is ingested to provide health benefits, particularly in aiding digestion or strengthening the immune system

synonym: probiotic bacteria, beneficial bacteria, microflora

(1) **probiotic** supplement, (2) **probiotic** yogurt **Probiotic-rich** foods, such as kefir and sauerkraut, can improve digestive health.

clinical

adj. of or relating to the examination and treatment of patients rather than theoretical or laboratory studies

Page 13 / 54

synonym: dispassionate, analytic, scientific

- (1) **clinical** surgery, (2) participate in **clinical** trials She received special **clinical** training at the hospital.
- n. a skin condition marked by itchy, red, hot, and scaly patches, often caused by allergies, irritants, or stresssynonym: dermatitis, rash, skin inflammation
- (1) eczema cream, (2) atopic eczema

A good moisturizer can help relieve the symptoms of **eczema**.

revolution

eczema

 a large-scale attempt to overthrow the government of a country, often using violence or war;

synonym: coup, innovation, rebellion

(1) beginning of the industrial **revolution**, (2) a political **revolution**

The **revolution** by the citizen resulted in a redistribution of wealth.

mention

- v. to speak or write about something or someone briefly synonym: reference, allude, cite
- (1) **mention** name, (2) **mention** in a report I **mentioned** to him that I had seen his sister at the grocery store earlier that day.

particle

- n. a small piece of something; a word or piece of a term with grammatical function but little or no significancesynonym: atom, grain, bit
- (1) charged **particle**, (2) **particle** energy We can calculate the position of the **particles** statistically.

oligosaccharide

- n. a carbohydrate composed of a small number, typically 3-10, of monosaccharide (= a type of simple sugar) units linked together in a chain, often found as components of dietary fiber or added to foods as sweeteners or thickeners
- (1) **oligosaccharide** synthesis, (2) plant-derived **oligosaccharide**

Page 14 / 54

The **oligosaccharide** chain present in the protein influences its stability and function.

function

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

synonym: purpose, mapping, job

(1) function properly, (2) immune function

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

mystery

n. something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

synonym: enigma, puzzle, secret

(1) mystery novel, (2) unsolved mystery

The **mystery** surrounding the disappearance of the traveler has yet to be solved by authorities.

initial

adj. of or happening at the beginning; (noun) the first letter of a word, especially a person's name

synonym: basic, primary, beginning

(1) initial velocity, (2) an initial letter

They took the **initial** step toward reconciliation.

discovery

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

synonym: finding, uncovering, detection

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

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

puzzling

adj. confusing or difficult to understand; mysterioussynonym: baffling, confusing, enigmatic

(1) puzzling behavior, (2) puzzling questions

The detective found the clues **puzzling** and couldn't solve the case immediately.

abundant

adj. present in great quantity

synonym: ample, plentiful, generative

(1) live an **abundant** life, (2) an **abundant** supply of water The country has **abundant** oil and natural gas resources.

solid

adj. hard or firm; characterized by good substantial quality synonym: stable, reliable, hard

(1) **solid** ally, (2) **solid** employment measures The **solid-state** of water is called ice.

digest

v. to transform food into absorbable substances; break down

synonym: absorb, condense

digest information, (2) help digest food
 Most babies can readily digest a wide variety of foods.

synthesize

 ν . to combine a substance to make a more complex product or compound

synonym: incorporate, amalgamate

(1) **synthesize** molecules, (2) **synthesize** information The spider can **synthesize** multiple different silk proteins.

utilize

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

synonym: employ, use, operate

(1) **utilize** a different approach, (2) **utilize** a catheter The cook **utilized** the leftover oxtail to make soup.

revelation

 a fact that has been disclosed to others, especially a surprising one; the act of revealing or telling the fact or truth to others; communication of knowledge to humans by a divine or supernatural agency synonym: disclosure, telling, annunciation

(1) a divine **revelation**, (2) the **revelation** of a secret The shocking **revelation** embarrassed the administration.

structure

 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.

nowadays

adv. at the current time, in comparison to the past *synonym*: currently, presently, today

(1) young people **nowadays**, (2) not to be seen **nowadays** People can clone a sheep **nowadays**.

lab

 a workplace for the conduct of scientific research; a laboratory

synonym: workshop, laboratory, research chamber

(1) lab instrument, (2) medical lab

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

ongoing

adj. continuing to exist or develop, or currently happening *synonym*: continuous, current, proceeding

(1) still ongoing, (2) ongoing support

The new prime minister has vowed to take measures against the **ongoing** economic crisis.

evolve

 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.

negative

adj. having the quality of something bad or harmful; expressing refusal

synonym: minus, adverse, pessimistic

(1) have a **negative** effect, (2) a **negative** number The movie has received almost universally **negative** criticism.

consequence

 the outcome of a particular action or event, especially relative to an individual

synonym: result, impact, outcome

(1) unintended **consequences**, (2) the **consequence** of an argument

These economic activities had disastrous environmental **consequences**.

routinely

 adv. on a regular or habitual basis; in a manner that is customary or expected

synonym: habitually, regularly, customarily

(1) **routinely** check, (2) **routinely** scheduled maintenance They **routinely** conduct fire drills to ensure everyone in the building knows what to do in an emergency.

monitor

v. to observe, check, and track the progress or quality of something over a period of time

synonym: proctor, check, observe

(1) **monitor** an exam, (2) **monitor** the data carefully They used a special receiver to **monitor** police radio channels.

tailor

n. a person who makes, alters, or repairs clothing professionally, typically working in a tailor shop or boutique; (verb) to customize, modify, or adapt something to suit a particular purpose, need, or individual

synonym: seamster, designer, dressmaker

(1) tailor-made suit, (2) tailor your needsI need to find a skilled tailor to alter my wedding dress.

onset

n. the beginning or early stages of unpleasant something;
 a military attack

synonym: beginning, attack, commencement

(1) at the first onset, (2) the onset of spring

This medicine works best when taken at the **onset** of a cold.

chronic

adj. being long-lasting and recurrent or characterized by long suffering; habitual

synonym: established, regular, constant

(1) risk of **chronic** disease, (2) **chronic** alcohol consumption

Chronic hyperglycemia is a trigger for a variety of serious diseases.

preempt

v. to act in advance to prevent something or to replace it with something else

synonym: forestall, head off, anticipate

(1) **preempt** a financial crisis, (2) **preempt** trouble The government **preempted** the release of sensitive information.

contribute

- v. to give something, especially money or goods, to provide or achieve something together with other peoplesynonym: donate, devote, commit
- (1) contribute a large sum of money to the fund,
- (2) contribute to society

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

unfold

v. to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown

synonym: open, spread out, expose

(1) **unfold** the story, (2) **unfold** the stroller

The mystery **unfolded** as the detectives gathered more clues.

Session 2: Spelling

1. as____te with people widely

not to be seen no____ys

3. pr___t trouble

4. ca___r research

5. pathogenic ba____ia

6. car lar tissue

7. de___p a strategy

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

adv. at the current time, in comparison to the past

v. to act in advance to prevent something or to replace it with something else

n. abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

adj. of or relating to the heart and blood vessels (= tubes that carry blood around the body)

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

ANSWERS: 1. associate, 2. nowadays, 3. preempt, 4. cancer, 5. bacteria, 6. cardiovascular, 7. develop

ANSWERS: 8. complexity, 9. infancy, 10. breastfeeding, 11. puzzling, 12. individual, 13. particle, 14. giant, 15. environment, 16. evolution, 17. predispose, 18. individual, 19. hygiene, 20. discovery

the long tube in the body of a person or 21. the blind g t n. animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant the beginning or early stages of 22. the on t of spring n. unpleasant something; a military attack a person who moved with a group of 23. se____rs on some foreign shore others to live in a different country or area 24. en____er a storm to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly to buy or obtain something such as an 25. ac____e a new company asset, object, knowledge, etc., for oneself 26. no e gas adj. having or showing excellent personal qualities or high moral principles that people admire 27. inf ure cost the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies 28. fe s sample waste matter eliminated from the bowels; excrement 29. co t with diversity to live or exist together at the same time in the same place 30. ob e children adj. excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30

ANSWERS: 21. gut, 22. onset, 23. settler, 24. encounter, 25. acquire, 26. noble, 27. infrastructure, 28. feces, 29. coexist, 30. obese

or more

oligosaccharide, 37. obesity, 38. invade, 39. mention

40. mi es sterilizer a tiny living thing that can only be seen n. with a microscope and that may cause disease 41. li___ng career adj. lasting for the whole of someone's life 42. ant ic resistance a substance or drug that kills or slows down the growth of bacteria 43. ma h against the war to walk militarily with stiff, regular steps ν. 44. di t information to transform food into absorbable ν. substances; break down 45. in____t a cave to live in a specific location; to reside ν. 46. infection of the va a the passage in the body of a woman or n. female animal that connects her outer sex organs to her uterus to observe, check, and track the 47. mo r an exam ν. progress or quality of something over a period of time 48. in t food a baby or very young child n. 49. a scientific di ry the act or process of finding information, n. a place, or an object, or learning about something that was previously not known 50. ad t fully to the environment to make fit for or change to suit a new purpose or environment 51. ca___r diagnosis abnormal growth of cells that can n. invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of

ANSWERS: 40. microbe, 41. lifelong, 42. antibiotic, 43. march, 44. digest, 45. inhabit, 46. vagina, 47. monitor, 48. infant, 49. discovery, 50. adapt, 51. cancer

abnormal cells

52. medical I_b	n. a workplace for the conduct of scientifi
	research; a laboratory
53. myy novel	n. something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest something; a genre of fiction that involves the solution of a crime or a puzzle
54. cot with nature	v. to live or exist together at the same timein the same place
55. dit sleep	 v. to prevent or stop something, especial an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
56. roly check	adv. on a regular or habitual basis; in a manner that is customary or expected
57. coze planets	 v. to establish a colony in or on a specific place; to settle or occupy in large numbers
58. prbe in the preceding paragraph	 v. (of a doctor) to advise and order the use of particular medicine or treatment for someone, especially in writing; to issue commands or orders for something
59. the impon of a word	 n. something that is inferred or indirectly stated; the act or fact of being involved in something
60. breing support	n. the act of feeding a baby with milk produced by the mother's breasts
61. ace knowledge	 v. to buy or obtain something such as an asset, object, knowledge, etc., for oneself

ocab-Builder Ref from "Henna-Maria Uusitupa: How the gut microbes you're born with affect your lifelong health | TED Talk" (100 word

ANSWERS: 52. lab, 53. mystery, 54. coexist, 55. disrupt, 56. routinely, 57. colonize, 58. prescribe, 59. implication, 60. breastfeeding, 61. acquire

62.	adon of vectors	n.	the act or process of adding something to something else; the process of adding numbers
63.	environmental indon	n.	a sign or remark that something exists, is real, or is likely to occur
64.	dit a well-ordered condition	v.	to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
65.	a divine revon	n.	a fact that has been disclosed to others especially a surprising one; the act of revealing or telling the fact or truth to others; communication of knowledge to humans by a divine or supernatural agency
66.	prbe a drug	v.	(of a doctor) to advise and order the use of particular medicine or treatment for someone, especially in writing; to issue commands or orders for something
67.	int the stomach	<i>v</i> .	to live in a specific location; to reside
68.	go through a mirus change	adj.	very effective or lucky, or completely unexpected
69.	comon number	n.	a collection of things that have been combined; an assemblage of separate parts or qualities
70.	I_b instrument	n.	a workplace for the conduct of scientific research; a laboratory
71.	juvenile dies	n.	a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood
	SWERS: 62. addition, 63. indication, 64 abit. 68. miraculous. 69. combination. 70		·

ocab-Builder Ref from "Henna-Maria Uusitupa: How the gut microbes you're born with affect your lifelong health | TED Talk" (100 word

ANSWERS: 72. pet, 73. infancy, 74. nutrition, 75. circumstance, 76. likelihood, 77. composition, 78. initial, 79. microbe, 80. develop

ANSWERS: 81. nutrient, 82. likelihood, 83. noble, 84. preempt, 85. valid, 86. contribute, 87. consequence, 88. miraculous, 89. ingest, 90. initial, 91. chronic

the state or quality of being complicated 92. com____ty theory n. or intricate and difficult to understand 93. play with my si____gs a brother or sister; member of a family n. born to the same parents 94. ec___a cream a skin condition marked by itchy, red, n. hot, and scaly patches, often caused by allergies, irritants, or stress 95. syn____ze information to combine a substance to make a more ν . complex product or compound to develop gradually, or to cause the 96. ev e over the past decade development of something or someone gradually a gradual process of transformation of 97. ev____on theory n. living things to make fit for or change to suit a new 98. ad__t as needed ν. purpose or environment 99. a ticket va d for two days adj. having a reasonable basis in logic or fact; still legally or officially acceptable 100. an ab nt supply of water adj. present in great quantity 101. a digital pl___rm for enterprise the raised flat space close to the track n. at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed

ANSWERS: 92. complexity, 93. sibling, 94. eczema, 95. synthesize, 96. evolve, 97. evolution, 98. adapt, 99. valid, 100. abundant, 101. platform, 102. structure

n.

parts

the way of construction of something

and the arrangement of its parts, or a complex thing constructed of many

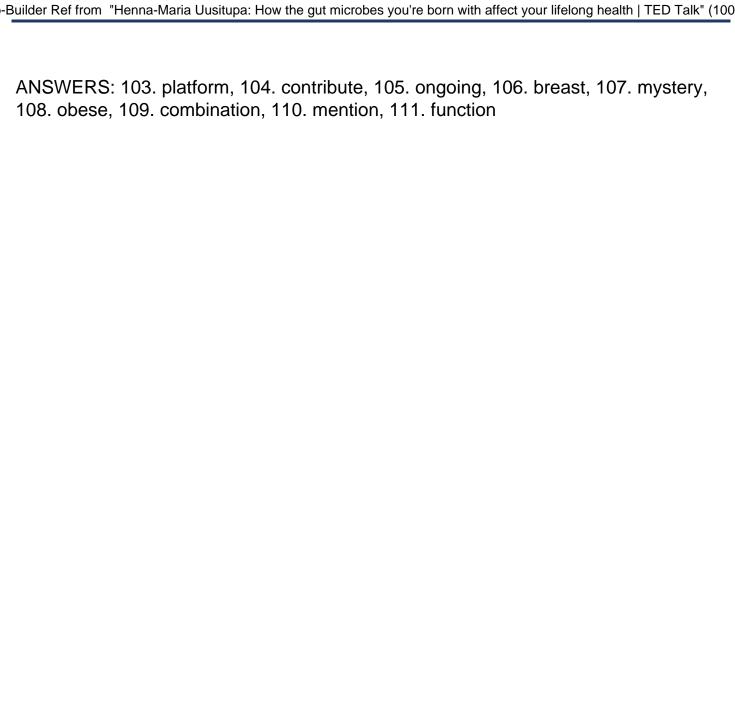
102. the st____re of a machine

n.

103. an arrival pl____rm

the raised flat space close to the track

		at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
104. conte to society	<i>v</i> .	to give something, especially money or goods, to provide or achieve something together with other people
105. ong support	adj.	continuing to exist or develop, or currently happening
106. brt cancer	n.	either of the two round soft parts of a woman's chest which secrete milk after childbirth
107. unsolved myy	n.	something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
108. obe individuals	adj.	excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more
109. genic comons	n.	a collection of things that have been combined; an assemblage of separate parts or qualities
110. men in a report	<i>v</i> .	to speak or write about something or someone briefly
111. immune fuon	n.	the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose



to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something any substance that is essential for the maintenance and growth of living things to observe, check, and track the
maintenance and growth of living things to observe, check, and track the
progress or quality of something over a period of time
a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
the act of disagreeing or resisting; the state of strong disagreement
the practice of maintaining cleanliness in the home and person to prevent illness
the creation of a new device or process resulting from study and experimentation; the act of inventing
the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
to take food or drink into the body, often through the mouth; to absorb or assimilate something, often used to describe the intake of information or knowledge

ocab-Builder Ref from "Henna-Maria Uusitupa: How the gut microbes you're born with affect your lifelong health | TED Talk" (100 word

ANSWERS: 112. modulate, 113. nutrient, 114. monitor, 115. loop, 116. opposition, 117. hygiene, 118. invention, 119. gut, 120. ingest

ocab-Builder Ref from "Henna-Maria Uusitupa: How the gut microbes you're born with affect your lifelong health | TED Talk" (100 word

encounter, 126. negative, 127. function, 128. bacteria

treats, prevents, or alleviates the symptoms of the disease

132. dangerously ove____ht

adj. weighing more than is considered

133. live an ab____nt life

134. cir____nce of injury

135. as____te alcohol with gambling

136. gr___y affect the situation

138. unintended con ces

137. li___ng commitment

139. di e prevention

normal, desirable, or healthy for a particular height and build

adj. present in great quantity

 the specific conditions or events that surround a particular situation or occurrence

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

adv. to an extraordinary extent or degree; very much

adj. lasting for the whole of someone's life

 the outcome of a particular action or event, especially relative to an individual

 a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

ANSWERS: 129. tailor, 130. aim, 131. medication, 132. overweight, 133. abundant, 134. circumstance, 135. associate, 136. greatly, 137. lifelong, 138. consequence, 139. disease

ANSWERS: 140. inevitable, 141. sibling, 142. overweight, 143. colonize, 144. greatly, 145. composition, 146. nutrition, 147. antibiotic, 148. tailor, 149. utilize

ANSWERS: 150. disadvantage, 151. puzzling, 152. negative, 153. countless, 154. solid, 155. synthesize, 156. revelation, 157. inevitable, 158. environment, 159. infrastructure, 160. settler

161. va a cancer care the passage in the body of a woman or n. female animal that connects her outer sex organs to her uterus 162. beginning of the industrial a large-scale attempt to overthrow the n. government of a country, often using rev____on violence or war; an animal that you have at home as a 163. a p t bird n. companion and treated kindly 164. in e his privacy to enter aggressively into another's territory by military force for conquest and occupation to try or plan to get or achieve 165. a m to be a nurse ν. something a drug or other form of medicine that 166. med____on by mouth n. treats, prevents, or alleviates the symptoms of the disease 167. gi t trees adj. enormous; much bigger or more important than similar items usually are adj. being long-lasting and recurrent or 168. risk of ch c disease characterized by long suffering; habitual 169. ut e a catheter to use something for a practical purpose ν. in an effective way 170. ind on of inflation a sign or remark that something exists, is real, or is likely to occur 171. still on____g adj. continuing to exist or develop, or

ANSWERS: 161. vagina, 162. revolution, 163. pet, 164. invade, 165. aim, 166. medication, 167. giant, 168. chronic, 169. utilize, 170. indication, 171. ongoing, 172. addition

172. chemical ad____on

currently happening

adding numbers

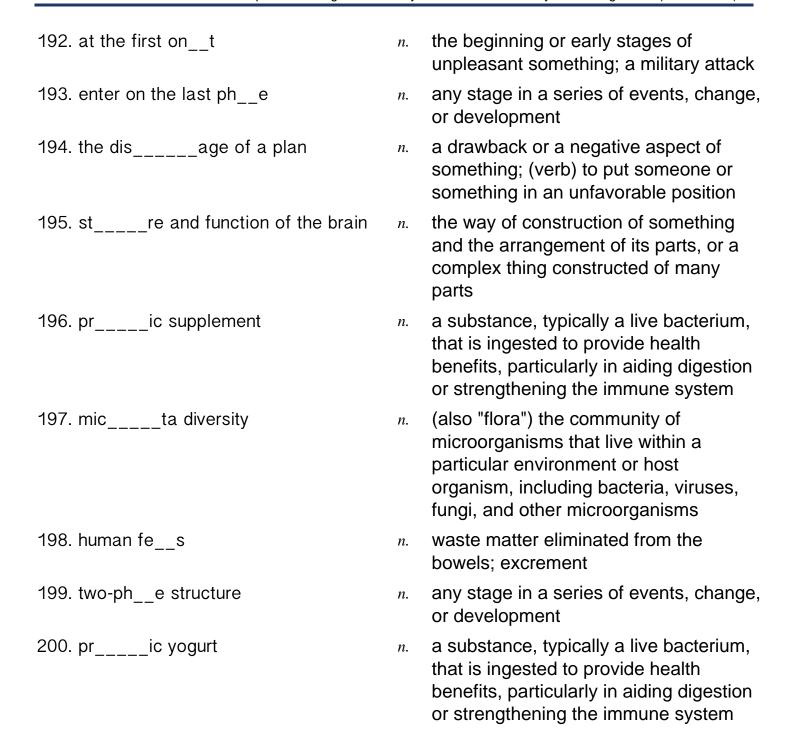
the act or process of adding something

to something else; the process of

173. ı	mah east	<i>v</i> .	to walk militarily with stiff, regular steps
174. 1	the mountain's brt	n.	either of the two round soft parts of a woman's chest which secrete milk after childbirth
175.	carlar diseases	adj.	of or relating to the heart and blood vessels (= tubes that carry blood around the body)
176.	answer coss questions	adj.	too numerous to be counted or very many
177.	dies patient	n.	a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood
178.	the impon in a crime	n.	something that is inferred or indirectly stated; the act or fact of being involved in something
179. :	a political revon	n.	a large-scale attempt to overthrow the government of a country, often using violence or war;
180. ı	und the stroller	ν.	to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
	prese me to become a novelist	v.	to make someone susceptible
182. _l	positive feedback Ip	n.	a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself

ANSWERS: 173. march, 174. breast, 175. cardiovascular, 176. countless, 177. diabetes, 178. implication, 179. revolution, 180. unfold, 181. predispose, 182. loop

183. help dit food	ν.	to transform food into absorbable substances; break down
184. plant-derived oliide	n.	a carbohydrate composed of a small number, typically 3-10, of monosaccharide (= a type of simple sugar) units linked together in a chain, often found as components of dietary fiber or added to foods as sweeteners or thickeners
185. young people noys	adv.	at the current time, in comparison to the past
186. pale energy	n.	a small piece of something; a word or piece of a term with grammatical function but little or no significance
187. int daughter	n.	a baby or very young child
188. eve	v.	to develop gradually, or to cause the development of something or someone gradually
189. mote from one key to another	v.	to change the key, style, loudness, etc. of something in music to create a particular effect; to fix or adjust the time amount, degree, or rate of something
190. oby-related diseases	n.	the condition of being significantly overweight, typically defined as having a body mass index (BMI) of 30 or greater.
191. clal surgery	adj.	of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
ANSWERS: 183. digest, 184. oligosacchar infant, 188. evolve, 189. modulate, 190. ob		•



ANSWERS: 192. onset, 193. phase, 194. disadvantage, 195. structure, 196. probiotic, 197. microbiota, 198. feces, 199. phase, 200. probiotic

Session 3: Fill in the Blanks

 This medicine works best when taken at the of a cold. the beginning or early stages of unpleasant something; a military attack
2. His poem has a very significantn. something that is inferred or indirectly stated; the act or fact of being involved in something
3. Her outstanding achievement people to like her.ν. to make someone susceptible
4. There are methods for dealing with stress. adj. too numerous to be counted or very many
5. They took the step toward reconciliation. adj. of or happening at the beginning; (noun) the first letter of a word, especially a person's name
6. The technology is still in its and has much room for improvement. n. the state or period of being a baby or very young child
7. The movie has received almost universally criticism. adj. having the quality of something bad or harmful; expressing refusal
8. The to the safe was a secret.n. a collection of things that have been combined; an assemblage of separate parts or qualities
ANSWERS: 1. onset, 2. implication, 3. predisposes, 4. countless, 5. initial, 6. infancy 7. negative, 8. combination

56.	foods, such as kefir and sauerkraut, can improve digestive			
	health.			
n.	a substance, typically a live bacterium, that is ingested to provide health benefits, particularly in aiding digestion or strengthening the immune system			
57.	People who compulsively non-food items, such as dirt or chalk, suffer from a condition called pica.			
<i>v</i> .	to take food or drink into the body, often through the mouth; to absorb or assimilate something, often used to describe the intake of information or knowledge			
58.	The spider can multiple different silk proteins.			
<i>v</i> .	to combine a substance to make a more complex product or compound			
59.	The doctor warned him that his condition put him at risk for numerous health problems.			
adj	excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more			
60.	Government workers cannot to political campaigns.			
ν.	to give something, especially money or goods, to provide or achieve something together with other people			
61.	They study the of the universe.			
n.	a gradual process of transformation of living things			
62.	My father was tested for			
n.	a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood			
	SWERS: 56. Probiotic-rich, 57. ingest, 58. synthesize, 59. obese, 60. contribute, evolution, 62. diabetes			