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Vocabulary Builder Reference from...

David Brenner: A new weapon in the fight against

superbugs | TED Talk

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

apon_in_the_fight_against_superbugs



All Words

IMPORTANT

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Session 1: Word List

superbug

 a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications

synonym: super bacteria, antibiotic-resistant bacteria

(1) **superbug** outbreak, (2) **superbug** infection The hospital is battling a **superbug** that is resistant to antibiotics.

photograph

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

synonym: photo, picture, snapshot

photograph album, (2) photograph memories
 I found an old photograph of my grandparents from their wedding day.

fan

 a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces

synonym: lover, devotee, blade

(1) a film **fan**, (2) engine cooling **fan** I'm a big **fan** of French food.

celebrate

to acknowledge a memorable or good day or event with a social gathering or enjoyable activity

synonym: praise, glorify, honor

(1) **celebrate** his election, (2) **celebrate** Christmas He **celebrated** the 10th anniversary of his tenure.

victory

surgery

success in a game, competition, election, or battle, or the knowledge that you have won

synonym: win, triumph, success

- (1) **victory** in the law court, (2) **victory** over terrorism We are optimistic about our final **victory**.
- medical treatment of injuries or diseases involving an n. incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures

synonym: operation, (medical) procedure

(1) cardiac surgery, (2) the professor of surgery He had undergone heart **surgery** years before.

develop

to grow or expand; to improve or refine through a ν. 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.
- to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel

sympathy with someone or something synonym: connect, link, associate

(1) **relate** a story, (2) **relate** a message

relate

He tried to **relate** his experience to the group, but they couldn't understand.

infection

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

synonym: contagion, disease, transmission

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

Hospitals must meet various standards to prevent nosocomial infections.

shock

a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant

synonym: amazement, surprise, stunner

(1) death from **shock**, (2) **shock-resistant** He got an electric **shock** at work.

prime

adj. main or most important; basic

synonym: excellent, exceptional, premium

(1) **prime** number, (2) deputy **prime** minister

After a thorough investigation, she has been named as the prime suspect.

encourage

to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do

synonym: facilitate, persuade, stimulate

(1) **encourage** a sense of affinity, (2) **encourage** antisocial behavior

They **encouraged** customers with a premium for loyal patronage.

declare

to say, state, or announce something clearly, officially, or publicly

synonym: announce, state, affirm

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(1) **declare** independence, (2) **declare** my love Foreign goods from abroad must be **declared** to customs when entering a country.

widespread

adj. existing or happening in various places or among many people

synonym: across-the-board, overall, general

(1) **widespread** use, (2) **widespread** fear of nuclear war In medieval times, death punishment was **widespread** and socially accepted.

introduction

n. a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

synonym: initiation, preamble, prologue

(1) **introduction** education, (2) self- **introduction**The **introduction** to the new class was informative and engaging.

antibiotic

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

synonym: antimicrobial, chemotherapeutic, germicide

(1) antibiotic resistance, (2) antibiotic allergyHe has been prescribed an antibiotic to treat his infection.

resistant

- adj. not affected by something, especially changes or new ideas; of or relating to immunity to disease or infectionsynonym: unsusceptible, immune, invulnerable
- (1) penicillin- **resistant** bacteria, (2) **resistant** to persuasion Insects in urban areas are becoming **resistant** to insecticides.

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

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

emerge

 to move out of or away from something and become visible

synonym: arise, occur, appear

(1) **emerge** as a butterfly, (2) **emerge** from poverty During colonial eras, new migratory patterns **emerged**.

vicious

adj. having or showing a desire to cause harm to others;having the nature of vice

synonym: malicious, spiteful, malevolent

(1) **vicious** attack, (2) **vicious** deflationary spiral The **vicious** dog barked and growled at anyone who came near its territory.

cycle

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

synonym: revolution, rotation, bike

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

The food chain causes a material cycle.

origin

- n. the first existence or beginning of something
- synonym: root, source, ancestor
- (1) origin of information, (2) racial origin

There are various hypotheses concerning the **origin** of life.

recognize

v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

synonym: acknowledge, identify, admit

(1) recognize talent, (2) recognize achievementIt's important to recognize your strengths and weaknesses.

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.

estimate

v. to guess or calculate the cost, size, value, etc. of something

synonym: calculate, gauge, evaluate

(1) **estimate** a fair value, (2) **estimate** this chicken to weigh three pounds

We **estimated** the season's total trade deficit at \$50 billion.

toll

money that you have to pay to use a particular road,bridge, etc.; (verb) to ring slowly

synonym: fee, cost, expense

(1) a **toll** road, (2) **toll** a bell at his death

There is no toll car park nearby.

context

 the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning

synonym: background, setting, environment

(1) historical context, (2) legal context

It's important to understand the **context** of a situation before making a decision.

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.

physicist

- n. a scientist who specializes in the field of physics
- (1) talented **physicist**, (2) theoretical **physicist**Einstein was an outstanding and famous **physicist** of the 20th century.

physics

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

microbe

- n. a tiny living thing that can only be seen with a microscope and that may cause diseasesynonym: germ, microorganism, bacterium
- (1) pathogenic **microbe**, (2) **microbes** sterilizer **Microbes** thrive on the surface of the human skin.

virus

- a tiny infectious organic material that causes disease in people, animals, and plants
- synonym: bacterium, germ, ailment
- (1) spread of the **virus**, (2) a strain of **virus**An infected person in the hospital will likely pass the **virus** to others.

ultraviolet

- adj. relating to or occupying the part of the spectrum beyond the violet end, especially radiation
- synonym: black light, UV light, invisible light
- (1) **ultraviolet** protection, (2) **ultraviolet** light **Ultraviolet** radiation can cause skin damage if one is exposed for too long.

spectrum

- an ordered array of colors into which a light beam can be split
- synonym: range, scale, spread
- (1) a broad **spectrum** of opinion, (2) infrared **spectrum** This device displayed the speech **spectrum** spectrographically.

infrared

adj. relating to or denoting electromagnetic radiation with a wavelength just longer than that of red light but shorter than that of microwave radiation, used for sensing heat and for remote control

synonym: thermal, warm, radiant

(1) an infrared lamp, (2) infrared radiation

The **infrared** camera revealed a hidden image on the surface.

visible

adj. capable of being seen; or open to easy view synonym: clear, observable, seeable

(1) visible stars, (2) visible by X-ray

My home is easily **visible** from the shore.

wavelength

- the distance between two points in the same phase in consecutive cycles of a wave
- (1) wavelength of light, (2) long- wavelength laser White color is made up of many different wavelengths of light.

perspective

a confident attitude toward something; a particular style of thinking about something

synonym: viewpoint, standpoint, outlook

(1) a **perspective** view, (2) the **perspective** of the battle His father's death changed his whole **perspective** on life.

mechanism

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

synonym: means, method, system

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

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

bug

 any tiny insect; a fault or defect in a computer program, system, or machine synonym: insect, bacterium, microbe

(1) **bug** bites, (2) number of **bug** fixes

I found a stink **bug** crawling across the ceiling.

sterilize

v. to make something free of all forms of life, especially bacteria or viruses, by using heat, chemicals, or radiation

synonym: disinfect, sanitize, cleanse

(1) **sterilize** chemically, (2) **sterilize** surfaces

The nurse **sterilized** the instruments before the surgery to prevent any infections.

germicide

 a substance or agent that is used to kill or inhibit the growth of microorganisms, particularly bacteria, and other pathogens

synonym: disinfectant, antimicrobial, sanitizer

(1) **germicide** spray, (2) **germicide** resistance The hospital uses a powerful **germicide** to disinfect the medical equipment.

hazard

- n. something dangerous and likely to cause damagesynonym: peril, danger, threat
- (1) occupational **hazard**, (2) potential health **hazards**Lost mobile phones lead to another potential **hazard**regarding privacy.

damage

v. to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

synonym: harm, impair, injure

(1) **damage** a relationship, (2) **damage** assessment During the surgery, the doctor had to be extremely cautious not to **damage** a blood vessel.

cataract

 a clouding of the lens in the eye that affects vision; a large waterfall

synonym: clouding, blurriness, waterfall

(1) the thunder of a **cataract**, (2) **cataract** lens

The older man had a **cataract** removed from his eye, which improved his vision significantly.

conventional

adj. based on or following traditional rules, standards, customs, etc.

synonym: ancestral, customary, established

(1) a **conventional** style, (2) get a **conventional** loan She is very **conventional** in her thoughts.

exposure

 the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret

synonym: vulnerability, disclosure, uncovering

a southern exposure,
 the exposure of a fraud
 a long exposure to the air tarnished the antique tableware.

background

n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

synonym: ground, experience, backdrop

(1) a **background** color, (2) a criminal **background**The company's hiring criteria emphasize personality, not a person's **background**.

colleague

 one of a group of a coworker, especially in a profession or a business

synonym: coworker, associate, fellow

(1) collaborate with colleagues,(2) former colleagueI decided to seek counseling on the advice of my colleague.

superimpose

 to place, layer, or overlay one thing on top of another, typically in such a way that both are still visible; to add or combine something additional into an existing structure, design, or system

synonym: overlay, impose, place over

(1) **superimpose** image, (2) **superimpose** text The graphic designer will **superimpose** the logo over the image in the brochure.

imp

- a mischievous or misbehaving child; a small and mischievous demon or sprite in folklore
- synonym: demon, sprite, mischievous child
- (1) a little **imp**, (2) behave like an **imp**The mischievous **imp** caused trouble wherever it went.

penetrate

v. to pass into or through something, often by overcoming resistance

synonym: pierce, stab, go through

(1) **penetrate** a cell, (2) **penetrate** quickly into the skin Western ideology slowly **penetrates** through the eastern countries.

ultimate

- adj. furthest or highest in degree or ordersynonym: highest, maximum, foremost
- (1) the **ultimate** goal in life, (2) the **ultimate** luxury Management must take **ultimate** responsibility for the accident.

dam

 a wall constructed over a river to block the flow of water, mainly used to generate energy

synonym: barricade, barrier, embankment

(1) **dam-building** program, (2) **dam** collapsing The break in the **dam** threatened the valley.

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.

incredibly

 adv. in a way that is very difficult to believe; exceedingly or extremely

synonym: enormously, exceptionally, extraordinarily

(1) **incredibly** cheerful character, (2) get **incredibly** insecure

Several cities are experiencing **incredibly** high unemployment rates.

absorb

- v. to take in a fluid or other substance gradually synonym: consume, soak, ingest
- (1) **absorb** energy, (2) **absorb** a shock The sponge **absorbs** water well.

biology

- the scientific study of life and the natural processes of living things
- (1) evolutionary **biology**, (2) cell and molecular **biology** In junior high school, we had to dissect a frog in **biology** class.

doe

 a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

synonym: rabbit, bunny, hare

(1) **doe** rabbit, (2) buck and **doe**

Hunters use a whistle that makes the **doe** sound to lure stags.

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**.

delight

n. a feeling of great pleasure or happiness

synonym: pleasure, joy, satisfaction

(1) a tremor of **delight**, (2) with **delight**

The **delight** on the child's faces when they received the toy was priceless.

emphatic

adj. expressing something forcibly and clearly; done or said with emphasis

synonym: forceful, assertive, definite

(1) emphatic victory, (2) emphatic tone

The coach was **emphatic** in his instructions to the players before the big game.

purity

 the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature

synonym: sinlessness, innocence, cleanliness

(1) the degree of purity, (2) high purity

Higher **purity** requires additional equipment and energy.

thrill

 a feeling of extreme and sudden excitement and pleasure; to cause someone to feel sudden intense sensation or emotion

synonym: exhilaration, delight, rush

(1) the thrill of speed, (2) incredible thrill

Skydiving is an overwhelming thrill for many people.

inexpensive

adj. costing little; having a low pricesynonym: cheap, affordable, economical

(1) inexpensive option, (2) an inexpensive inn

The restaurant offered delicious food at an **inexpensive** price.

preparation

 the activity of getting ready for something or making something ready

synonym: practice, trial, rehearsal

(1) a **preparation** program, (2) the **preparation** of meals He helped me with the **preparation** of this book.

influenza

 n. (formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics

synonym: grippe, flu

(1) an epidemic outbreak of **influenza**, (2) **influenza** B strain

The research institute allocated a lot of money to study the cause and prevention of **influenza**.

measles

 a highly infectious viral disease that causes fever, red spots on the skin, and other flu-like symptoms, typically affects children

synonym: rash, red measles, rubella

(1) measles outbreak, (2) measles vaccine

The school sent a notice of a **measles** case in one of the classrooms.

politician

 a person who is a member of a government or law-making organization, especially as an elected member of parliament, etc.

synonym: congressperson, lawmaker, legislator

(1) a **politician** in the ruling party, (2) a corrupt **politician** The **politician** lost his position in the end due to the scandal.

hometown

- n. the town or city where one was born or grew upsynonym: birthplace, home, native place
- hometown celebrity, (2) hometown memory
 always look forward to going back to my hometown during the holidays.

statue

 a sculpture of a person or animal, typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way

synonym: sculpture, figurine, monument

(1) a beautiful **statue**, (2) the ancient Egyptian **statues** The **statue** of the famous hero stood proudly in the town square.

advance

- v. to go or move forward; to develop in a positive way synonym: progress, boost, come along
- (1) **advance** the technology, (2) **advance** a cooperative relationship

Scientific knowledge will **advance** significantly with the power of AI.

grasp

- v. to take hold of something or someone quickly and firmly synonym: grab, clasp, grip
- grasp his hand, (2) grasp a chance
 They spent a lot of time trying to grasp the current situation.

obstacle

roll

a thing that blocks one's way or prevents or hinders progress

synonym: hindrance, barrier, block

- (1) an **obstacle** to progress, (2) **obstacle** avoidance The **obstacle** course was challenging but fun.
- v. to move in a particular direction by turning over and over or from side to side

synonym: spin, swirl, wheel

(1) **roll** a ball, (2) **roll** down his cheeks
He was exhausted and **rolled** into bed as soon as he got

home.

melanoma

 a type of skin cancer that originates in the cells that produce pigment, usually occurring on sun-exposed skin areas

synonym: skin cancer, melanocarcinoma, pigmented tumor

(1) **melanoma** diagnosis, (2) **melanoma** treatment Protecting your skin from the sun by wearing sunscreen and protective clothing can help reduce the risk of **melanoma**.

approval

n. the belief that someone or something is good or acceptable

synonym: acceptance, endorsement, permission

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(1) a written **approval**, (2) express my **approval**. This project took a lot of time to get the president's **approval**.

launch

to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

synonym: start, initiate, begin

(1) **launch** a spaceship into orbit, (2) **launch** a big attack The company is set to **launch** its new product line next month.

persuade

v. to convince or induce someone to do something by presenting a reason or argument; to sway or influence someone's decision or opinion

synonym: convince, influence, sway

(1) attempt to **persuade**, (2) **persuade** enough people She tried to **persuade** her brother to join her on the trip, but he was too busy with work.

skepticism

 an attitude of doubting or questioning that claims or statements are true or valuable or that something will happen; the disbelief in any claims of ultimate knowledge

synonym: distrust, doubt, suspicion

(1) natural **skepticism**, (2) **skepticism** toward bureaucracy This party expresses **skepticism** about the efficacy of the health insurance system.

barrier

 a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective

synonym: border, barricade, fence

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(1) cost barrier, (2) information barrier

The police placed a **barrier** across the street to halt traffic.

Session 2: Spelling

1.	talented phst	n.	a scientist who specializes in the field of physics
2.	mies sterilizer	n.	a tiny living thing that can only be seen with a microscope and that may cause disease
3.	vie stars	adj.	capable of being seen; or open to easy view
4.	sod employment measures	adj.	hard or firm; characterized by good substantial quality
5.	defense mesm	n.	a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
6.	abb a shock	<i>v</i> .	to take in a fluid or other substance gradually
7.	reze talent	ν.	to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
8.	infrared spum	n.	an ordered array of colors into which a light beam can be split
9.	number of b_g fixes	n.	any tiny insect; a fault or defect in a computer program, system, or machine
10.	a preon program	n.	the activity of getting ready for something or making something ready
11.	a connal style	adj.	based on or following traditional rules, standards, customs, etc.

ANSWERS: 1. physicist, 2. microbe, 3. visible, 4. solid, 5. mechanism, 6. absorb, 7. recognize, 8. spectrum, 9. bug, 10. preparation, 11. conventional

18. the cy__e of the seasons

19. vi____y over terrorism

easier for them and making them believe it is a good thing to do

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

success in a game, competition, n. election, or battle, or the knowledge that you have won

ANSWERS: 12. antibiotic, 13. superimpose, 14. doe, 15. dam, 16. develop, 17. encourage, 18. cycle, 19. victory

20.	suug infection	n.	a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications
21.	oble avoidance	n.	a thing that blocks one's way or prevents or hinders progress
22.	intion education	n.	a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
23.	ree a message	<i>v</i> .	to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
24.	cell and molecular biy	n.	the scientific study of life and the natural processes of living things
25.	a tremor of det	n.	a feeling of great pleasure or happiness
26.	rl a ball	<i>v</i> .	to move in a particular direction by turning over and over or from side to side
27.	stze surfaces	v.	to make something free of all forms of life, especially bacteria or viruses, by using heat, chemicals, or radiation
28.	a film f_n	n.	a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces

ANSWERS: 20. superbug, 21. obstacle, 22. introduction, 23. relate, 24. biology, 25. delight, 26. roll, 27. sterilize, 28. fan

ANSWERS: 29. approval, 30. wavelength, 31. perspective, 32. mechanism, 33. bacteria, 34. physicist, 35. bacteria, 36. damage

reputation or relationship; (noun) harm

or injury that is caused to a person,

thing, or entity

37.	a bacnd color	n.	the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
38.	spread of the vis	n.	a tiny infectious organic material that causes disease in people, animals, and plants
39.	stze chemically	<i>v</i> .	to make something free of all forms of life, especially bacteria or viruses, by using heat, chemicals, or radiation
40.	dae a relationship	ν.	to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
41.	express my apal	n.	the belief that someone or something is good or acceptable
42.	lah a big attack	v.	to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
43.	evolutionary biy	n.	the scientific study of life and the natural processes of living things
44.	racial orn	n.	the first existence or beginning of something
45.	pede enough people	v.	to convince or induce someone to do something by presenting a reason or argument; to sway or influence someone's decision or opinion

ANSWERS: 37. background, 38. virus, 39. sterilize, 40. damage, 41. approval, 42. launch, 43. biology, 44. origin, 45. persuade

46.	mes vaccine	n.	a highly infectious viral disease that causes fever, red spots on the skin, and other flu-like symptoms, typically affects children
47.	grp a chance	<i>v</i> .	to take hold of something or someone quickly and firmly
48.	phoph memories	n.	a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
49.	reze achievement	v.	to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
50.	este a fair value	<i>v</i> .	to guess or calculate the cost, size, value, etc. of something
51.	widad use	adj.	existing or happening in various places or among many people
52.	mema treatment	n.	a type of skin cancer that originates in the cells that produce pigment, usually occurring on sun-exposed skin areas
53.	a strain of vis	n.	a tiny infectious organic material that causes disease in people, animals, and plants
54.	dee independence	<i>v</i> .	to say, state, or announce something clearly, officially, or publicly
55.	get a connal loan	adj.	based on or following traditional rules, standards, customs, etc.

ANSWERS: 46. measles, 47. grasp, 48. photograph, 49. recognize, 50. estimate, 51. widespread, 52. melanoma, 53. virus, 54. declare, 55. conventional

56.	ultet protection	adj.	relating to or occupying the part of the spectrum beyond the violet end, especially radiation
57.	ree a story	ν.	to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
58.	attempt to pede	ν.	to convince or induce someone to do something by presenting a reason or argument; to sway or influence someone's decision or opinion
59.	gede spray	n.	a substance or agent that is used to kill or inhibit the growth of microorganisms, particularly bacteria, and other pathogens
60.	former coue	n.	one of a group of a coworker, especially in a profession or a business
61.	die prevention	n.	a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
62.	antic resistance	n.	a substance or drug that kills or slows down the growth of bacteria
63.	pete a cell	<i>v</i> .	to pass into or through something, often by overcoming resistance
64.	lah a spaceship into orbit	v.	to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

ANSWERS: 56. ultraviolet, 57. relate, 58. persuade, 59. germicide, 60. colleague, 61. disease, 62. antibiotic, 63. penetrate, 64. launch

65.	legal cot	n.	the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
66.	cardiac suy	n.	medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
67.	cete Christmas	v.	to acknowledge a memorable or good day or event with a social gathering or enjoyable activity
68.	collaborate with coues	n.	one of a group of a coworker, especially in a profession or a business
69.	the exre of a fraud	n.	the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
70.	mema diagnosis	n.	a type of skin cancer that originates in the cells that produce pigment, usually occurring on sun-exposed skin areas
71.	natural skesm	n.	an attitude of doubting or questioning that claims or statements are true or valuable or that something will happen; the disbelief in any claims of ultimate knowledge
72.	a corrupt polan	n.	a person who is a member of a government or law-making organization, especially as an elected member of parliament, etc.

ANSWERS: 65. context, 66. surgery, 67. celebrate, 68. colleague, 69. exposure, 70. melanoma, 71. skepticism, 72. politician

73. cost bar	n.	a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
74. rent to persuasion	adj.	not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
75. a tl road	n.	money that you have to pay to use a particular road, bridge, etc.; (verb) to ring slowly
76. behave like an i_p	n.	a mischievous or misbehaving child; a small and mischievous demon or sprite in folklore
77. the professor of suy	n.	medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
78. d_e rabbit	n.	a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
79. the ancient Egyptian stes	n.	a sculpture of a person or animal, typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way
80. pete quickly into the skin	<i>v</i> .	to pass into or through something, often by overcoming resistance
81. abb energy	<i>v</i> .	to take in a fluid or other substance gradually
ANSWERS: 73. barrier, 74. resistant, 75. to		gradually

ANSWERS: 73. barrier, 74. resistant, 75. toll, 76. imp, 77. surgery, 78. doe, 79 statue, 80. penetrate, 81. absorb

82.	a bacterial inon	n.	a condition in which pathogenic microorganisms or viruses have entered the body
83.	hown celebrity	n.	the town or city where one was born or grew up
84.	incredible thI	n.	a feeling of extreme and sudden excitement and pleasure; to cause someone to feel sudden intense sensation or emotion
85.	vis attack	adj.	having or showing a desire to cause harm to others; having the nature of vice
86.	b_g bites	n.	any tiny insect; a fault or defect in a computer program, system, or machine
87.	the preon of meals	n.	the activity of getting ready for something or making something ready
88.	the ulte luxury	adj.	furthest or highest in degree or order
89.	get incly insecure	adv.	in a way that is very difficult to believe; exceedingly or extremely
90.	incly cheerful character	adv.	in a way that is very difficult to believe; exceedingly or extremely
91.	shk-resistant	n.	a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
92.	a perve view	n.	a confident attitude toward something; a particular style of thinking about something

ANSWERS: 82. infection, 83. hometown, 84. thrill, 85. vicious, 86. bug, 87. preparation, 88. ultimate, 89. incredibly, 90. incredibly, 91. shock, 92. perspective

93. viy in the law court	n.	success in a game, competition, election, or battle, or the knowledge tha you have won
94. pathogenic mie	n.	a tiny living thing that can only be seen with a microscope and that may cause disease
95. eme as a butterfly	v.	to move out of or away from something and become visible
96. cact lens	n.	a clouding of the lens in the eye that affects vision; a large waterfall
97. information bar	n.	a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
98. historical cot	n.	the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
99. tl a bell at his death	n.	money that you have to pay to use a particular road, bridge, etc.; (verb) to ring slowly
100. a polan in the rulin	g party n.	a person who is a member of a government or law-making organization especially as an elected member of parliament, etc.
101. gede resistance	n.	a substance or agent that is used to kill or inhibit the growth of microorganisms, particularly bacteria, and other pathogens

ANSWERS: 93. victory, 94. microbe, 95. emerge, 96. cataract, 97. barrier, 98. context, 99. toll, 100. politician, 101. germicide

102. pre number	adj.	main or most important; basic
103. eme from poverty	<i>v</i> .	to move out of or away from something and become visible
104. dep a skill	ν.	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
105. death from shk	n.	a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
106. the thI of speed	n.	a feeling of extreme and sudden excitement and pleasure; to cause someone to feel sudden intense sensation or emotion
107. treat the inon with antibiotics	n.	a condition in which pathogenic microorganisms or viruses have entered the body
108. orn of information	n.	the first existence or beginning of something
109. the ulte goal in life	adj.	furthest or highest in degree or order
110. rI down his cheeks	v.	to move in a particular direction by turning over and over or from side to side
111. sod ally	adj.	hard or firm; characterized by good substantial quality

ANSWERS: 102. prime, 103. emerge, 104. develop, 105. shock, 106. thrill, 107. infection, 108. origin, 109. ultimate, 110. roll, 111. solid

112. potential health hads	n.	something dangerous and likely to cause damage
113. an oble to progress	n.	a thing that blocks one's way or prevents or hinders progress
114. a little i_p	n.	a mischievous or misbehaving child; a small and mischievous demon or sprite in folklore
115. an ineve inn	adj.	costing little; having a low price
116. car diagnosis	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
117. ade a cooperative relationship	<i>v</i> .	to go or move forward; to develop in a positive way
118. skesm toward bureaucracy	n.	an attitude of doubting or questioning that claims or statements are true or valuable or that something will happen; the disbelief in any claims of ultimate knowledge
119. penicillin-rent bacteria	adj.	not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
120. emic victory	adj.	expressing something forcibly and clearly; done or said with emphasis
121. emic tone	adj.	expressing something forcibly and clearly; done or said with emphasis
122. cete his election	v.	to acknowledge a memorable or good day or event with a social gathering or enjoyable activity

ANSWERS: 112. hazard, 113. obstacle, 114. imp, 115. inexpensive, 116. cancer, 117. advance, 118. skepticism, 119. resistant, 120. emphatic, 121. emphatic, 122. celebrate

123. supse image	ν.	to place, layer, or overlay one thing on top of another, typically in such a way that both are still visible; to add or combine something additional into an existing structure, design, or system
124. vis deflationary spiral	adj.	having or showing a desire to cause harm to others; having the nature of vice
125. medical I_b	n.	a workplace for the conduct of scientific research; a laboratory
126. a broad spum of opinion	n.	an ordered array of colors into which a light beam can be split
127. phoph album	n.	a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
128. widad fear of nuclear war	adj.	existing or happening in various places or among many people
129. self-intion	n.	a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
130. ade the technology	v.	to go or move forward; to develop in a positive way
131. long-wavth laser	n.	the distance between two points in the same phase in consecutive cycles of a wave

ANSWERS: 123. superimpose, 124. vicious, 125. lab, 126. spectrum, 127. photograph, 128. widespread, 129. introduction, 130. advance, 131. wavelength

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.	a clouding of the lens in the eye that affects vision; a large waterfall
n.	an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
n.	something dangerous and likely to cause damage
adj.	relating to or denoting electromagnetic radiation with a wavelength just longer than that of red light but shorter than that of microwave radiation, used for sensing heat and for remote control
n.	the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
n.	(formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics
n.	the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
	n. n. adj. n.

ANSWERS: 132. cancer, 133. cataract, 134. cycle, 135. hazard, 136. infrared, 137. purity, 138. influenza, 139. exposure

140. d_m collapsing	n.	a wall constructed over a river to block the flow of water, mainly used to generate energy
141. grp his hand	v.	to take hold of something or someone quickly and firmly
142. inza B strain	n.	(formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics
143. I_b instrument	n.	a workplace for the conduct of scientific research; a laboratory
144. suug outbreak	n.	a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications
145. laws of phs	n.	the science of matter and energy and their interactions
146. a criminal bacnd	n.	the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
147. ultet light	adj.	relating to or occupying the part of the spectrum beyond the violet end, especially radiation
148. mes outbreak	n.	a highly infectious viral disease that causes fever, red spots on the skin, and other flu-like symptoms, typically affects children

ANSWERS: 140. dam, 141. grasp, 142. influenza, 143. lab, 144. superbug, 145. physics, 146. background, 147. ultraviolet, 148. measles

150. an ined lamp adj. relating to or denoting electrom radiation with a wavelength just	longer than ed for
than that of red light but shorter that of microwave radiation, use sensing heat and for remote co	
151. hown memory n. the town or city where one was grew up	born or
152. die control n. a disorder or illness that affects body or mind, often characterize specific symptoms or abnormal functioning of organs or system	ed by
153. engine cooling f_n n. a person who admires and supperson, group, sport, sports teal a device for creating a current of the movement of a surface or s	m, etc.; of air by
154. a beautiful ste n. a sculpture of a person or animity pically made of stone or metal intended to represent the subjestifelike or symbolic way	l, that is
155. este this chicken to weigh v. to guess or calculate the cost, so three pounds value, etc. of something	ize,
156. high puy n. the state of being undiluted or undi	peing

ANSWERS: 149. encourage, 150. infrared, 151. hometown, 152. disease, 153. fan, 154. statue, 155. estimate, 156. purity

- 157. vi____e by X-ray
- 158. ine____ve option
- 159. nuclear ph___s
- 160. deputy pr__e minister
- 161. de____e my love
- 162. with de____t

- adj. capable of being seen; or open to easy view
- adj. costing little; having a low price
- *n.* the science of matter and energy and their interactions
- adj. main or most important; basic
- v. to say, state, or announce something clearly, officially, or publicly
- n. a feeling of great pleasure or happiness

ANSWERS: 157. visible, 158. inexpensive, 159. physics, 160. prime, 161. declare, 162. delight

Session 3: Fill in the Blanks

advance, 8. develop

1. v.	The company is set to its new product line next month. to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
2.	The sponge water well.
ν.	to take in a fluid or other substance gradually
3.	The food chain causes a material
n.	an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
4.	Lost mobile phones lead to another potential regarding privacy.
n.	something dangerous and likely to cause damage
5.	The course was challenging but fun.
n.	a thing that blocks one's way or prevents or hinders progress
6.	Breast is the most common type of cancer in women.
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
7.	Scientific knowledge will significantly with the power of AI.
ν.	to go or move forward; to develop in a positive way
8.	We must a new system to streamline our workflow and increase efficiency.
<i>v</i> .	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
AN	SWERS: 1. launch. 2. absorbs. 3. cvcle. 4. hazard. 5. obstacle. 6. cancer. 7.

ANSWERS: 9. skepticism, 10. solid-state, 11. lab, 12. surgery, 13. rolled, 14. persuade, 15. shock, 16. introduction

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celebrated, 23. melanoma, 24. disease

Vocab-Builder Ref from "David Brenner: A new weapon in the fight against superbugs | TED Talk" (81 words)

33.	The company's hiring criteria emphasize personality, not a person's
n.	the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
34.	The older man had a removed from his eye, which improved his vision significantly.
n.	a clouding of the lens in the eye that affects vision; a large waterfall
35.	We the season's total trade deficit at \$50 billion.
<i>v</i> .	to guess or calculate the cost, size, value, etc. of something
36.	He discovered unique for photochemical reactions.
n.	a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
37.	The research institute allocated a lot of money to study the cause and prevention of
n.	(formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics
38.	The on the child's faces when they received the toy was priceless.
n.	a feeling of great pleasure or happiness
39.	The coach was in his instructions to the players before the big game.
adj	expressing something forcibly and clearly; done or said with emphasis
40.	The restaurant offered delicious food at an price.
adj	costing little; having a low price
	SWERS: 33. background, 34. cataract, 35. estimated, 36. mechanisms, 37. uenza, 38. delight, 39. emphatic, 40. inexpensive

Vocab-Builder Ref from "David Brenner: A new weapon in the fight against superbugs | TED Talk" (81 words)

Vocab-Builder Ref from "David Brenner: A new weapon in the fight against superbugs | TED Talk" (81 words)

81. He studied the _____ of radiation.

n. the science of matter and energy and their interactions

ANSWERS: 81. physics