Englist.me

Vocabulary Builder Reference from...

Antoine Gourévitch: What is deep tech? A look at how it could shape the future | TED Talk
https://www.ted.com/talks/antoine_gourevitch_what_is_deep_tech_a_look_at_how_it_could_shape_the_future

Advanced Words Only

IMPORTANT

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

Session 1: Word List

pandemic

n. an outbreak of a disease that affects many people over a very wide area

synonym : outbreak

(1) flu **pandemic**,   (2) global **pandemic**

They fear a **pandemic** of a new type of virus.

nanoscale

adj. on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

(1) **nanoscale** device,   (2) things at the **nanoscale**

This process improves the strength of the metal by controlling the **nanoscale** lattice structure of the metal.

blockchain

n. a system in which a growing list of payment records, called blocks, made in cryptocurrency is maintained across several computers that are securely linked

(1) **blockchain** platform,   (2) the scalability of **blockchain**

Cryptocurrencies are only one form of implementation of **blockchain** technology.

industrious

adj. hardworking, diligent, and persistent in effort

synonym : diligent, hardworking, assiduous

(1) **industrious** worker,   (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

robotaxi

n. a type of autonomous vehicle that operates as a taxi service, transporting passengers without the need for a driver

synonym : autonomous taxi, self-driving cab, robotic cab

(1) **robotaxi** service,   (2) self-driving **robotaxi**

The cost of transportation could be significantly reduced with the adoption of **robotaxis**.

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.

spaceship

n. (especially in science fiction) a spacecraft designed to carry a crew into interstellar space

synonym : starship, rocket, spacecraft

(1) a **spaceship** to survey the moon,   (2) alien **spaceship**

They launched a crewless **spaceship** into space.

robotic

adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

synonym : automated, mechanical, laborsaving

(1) **robotic** arm,   (2) **robotic** guide operation

The surgeon removed the tumor using **robotic** video assistance.

metagenomics

n. the study of genetic material recovered from environmental samples rather than from individual organisms to understand the diversity and function of microbial communities

synonym : metagenome analysis, environmental genomics,

community genomics

(1) **metagenomics** technology,   (2) **metagenomics** sequencing

The field of **metagenomics** studies the genetic material found in complex microbial communities.

microorganism

n.   a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope

synonym : germ, microbe, bacterium

(1) pathogenic **microorganism**,   (2) **microorganisms** in his gut

This **microorganism** is a producer of respiratory disease.

mammalian

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

synonym : animal, mammal-like, warm-blooded

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

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

converge

v.   to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet

synonym : congregate, assemble, concentrate

(1) **converge** of a series,   (2) **converge** from different points

The two rivers **converge** into one near this area.

rethink

v.   to consider again a plan, idea, etc., especially to change it

synonym : reexplore, review, reconsider

(1) **rethink** a marketing plan,   (2) **rethink** the role of the manager

We have to **rethink** our company's product lineup for further

growth.

pollute	*v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

synonym : contaminate, corrupt, degrade

(1) **pollute** the air,   (2) **pollute** the thread
We should do our best not to **pollute** the environment.

intersect	*v.* to meet or cross one another

synonym : cross, bisect, cut

(1) **intersect** at a point,   (2) railways **intersect** the country
Her multidisciplinary works **intersect** music and picture with writing.

commonwealth	*n.* a community of nations or people or a state in which the people hold the supreme power

synonym : federation, union, republic

(1) the **commonwealth** of learning,   (2) **commonwealth** authority
The **Commonwealth** of Nations is an association of 54 countries, mostly former territories of the British Empire.

doable	*adj.* possible to do; capable of existing, taking place, or proving true

synonym : realizable, accomplishable, achievable

(1) make a **doable** plan,   (2) **doable** in daily life
This project is **doable** despite the tight schedule.

lighthouse	*n.* a tower or other structure that is equipped with a powerful light designed to guide ships safely to harbor or warn them of impending danger

synonym : beacon, pharos, guiding light

(1) **lighthouse** beacon,   (2) **lighthouse** keeper
Tourists gathered at the **lighthouse's** base to take photos and admire the view.

ruthless

adj. lacking in pity or compassion; willing to do whatever it takes to achieve their goals, regardless of the consequences for others

synonym : heartless, pitiless, merciless

(1) show **ruthless** behavior,   (2) **ruthless** brutality

The dictator was known for his **ruthless** tactics and had no qualms about using violence to maintain power.

fermentation

n. the chemical breakdown of a substance by bacteria, yeasts, or other microorganisms, typically involving effervescence and the giving off of the heat

synonym : brewing, culturing, pickling

(1) oxidative **fermentation**,   (2) **fermentation** tank

The process of **fermentation** is used to make beer, wine, and many other products.

cultivate

v. to prepare and foster land for growing crops or plants

synonym : boost, foster, nurture

(1) **cultivate** a field,   (2) **cultivate** relationships

University is a great place to **cultivate** our minds and expertise.

congest

v. to make something blocked or crowded so as to hinder or prevent freedom of movement or flow of liquid

synonym : clog, choke, crowd

(1) **congest** in a vein,   (2) **congest** a highway

The roads to the airport were heavily **congested**.

opportune

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

synonym : suitable, timely, practical

(1) **opportune** occasion,   (2) an **opportune** remark

The phone rang at the most **opportune** time.

Session 2: Spelling

1. oxidative fer_____ion

    n.   the chemical breakdown of a substance by bacteria, yeasts, or other microorganisms, typically involving effervescence and the giving off of the heat

2. show ru____ss behavior

    adj.   lacking in pity or compassion; willing to do whatever it takes to achieve their goals, regardless of the consequences for others

3. cu_____te a field

    v.   to prepare and foster land for growing crops or plants

4. co____ge of a series

    v.   to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet

5. di____t sleep

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

6. ro____xi service

    n.   a type of autonomous vehicle that operates as a taxi service, transporting passengers without the need for a driver

7. the scalability of blo_____in

    n.   a system in which a growing list of payment records, called blocks, made in cryptocurrency is maintained across several computers that are securely linked

ANSWERS: 1. fermentation, 2. ruthless, 3. cultivate, 4. converge, 5. disrupt, 6. robotaxi, 7. blockchain

8. ru____ss brutality   *adj.* lacking in pity or compassion; willing to do whatever it takes to achieve their goals, regardless of the consequences for others

9. ro____c guide operation   *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

10. op_____ne occasion   *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose

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

12. po____e the thread   *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

13. na_____le device   *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

14. things at the na_____le   *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

15. po____e the air   *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

ANSWERS: 8. ruthless, 9. robotic, 10. opportune, 11. mammalian, 12. pollute, 13. nanoscale, 14. nanoscale, 15. pollute

16. co_____t a highway	*v.*	to make something blocked or crowded so as to hinder or prevent freedom of movement or flow of liquid
17. blo_____in platform	*n.*	a system in which a growing list of payment records, called blocks, made in cryptocurrency is maintained across several computers that are securely linked
18. re_____k a marketing plan	*v.*	to consider again a plan, idea, etc., especially to change it
19. ind_____us student	*adj.*	hardworking, diligent, and persistent in effort
20. co_____ge from different points	*v.*	to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet
21. mic_____isms in his gut	*n.*	a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope
22. in_____ct at a point	*v.*	to meet or cross one another
23. global pa_____ic	*n.*	an outbreak of a disease that affects many people over a very wide area
24. co_____t in a vein	*v.*	to make something blocked or crowded so as to hinder or prevent freedom of movement or flow of liquid
25. railways in_____ct the country	*v.*	to meet or cross one another
26. lig_____se keeper	*n.*	a tower or other structure that is equipped with a powerful light designed to guide ships safely to harbor or warn them of impending danger

ANSWERS: 16. congest, 17. blockchain, 18. rethink, 19. industrious, 20. converge, 21. microorganism, 22. intersect, 23. pandemic, 24. congest, 25. intersect, 26. lighthouse

27. met_____ics technology

n. the study of genetic material recovered from environmental samples rather than from individual organisms to understand the diversity and function of microbial communities

28. an op_____ne remark

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

29. pathogenic mic_____ism

n. a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope

30. make a do___e plan

adj. possible to do; capable of existing, taking place, or proving true

31. self-driving ro____xi

n. a type of autonomous vehicle that operates as a taxi service, transporting passengers without the need for a driver

32. fer_____ion tank

n. the chemical breakdown of a substance by bacteria, yeasts, or other microorganisms, typically involving effervescence and the giving off of the heat

33. ind_____us worker

adj. hardworking, diligent, and persistent in effort

34. do___e in daily life

adj. possible to do; capable of existing, taking place, or proving true

35. com_____lth authority

n. a community of nations or people or a state in which the people hold the supreme power

ANSWERS: 27. metagenomics, 28. opportune, 29. microorganism, 30. doable, 31. robotaxi, 32. fermentation, 33. industrious, 34. doable, 35. commonwealth

36. lig_____se beacon	*n.*	a tower or other structure that is equipped with a powerful light designed to guide ships safely to harbor or warn them of impending danger
37. re____k the role of the manager	*v.*	to consider again a plan, idea, etc., especially to change it
38. the com_____lth of learning	*n.*	a community of nations or people or a state in which the people hold the supreme power
39. cu_____te relationships	*v.*	to prepare and foster land for growing crops or plants
40. flu pa____ic	*n.*	an outbreak of a disease that affects many people over a very wide area
41. ma_____an evolution	*adj.*	of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior
42. di____t 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
43. ro____c arm	*adj.*	of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
44. met_____ics sequencing	*n.*	the study of genetic material recovered from environmental samples rather than from individual organisms to understand the diversity and function of microbial communities

ANSWERS: 36. lighthouse, 37. rethink, 38. commonwealth, 39. cultivate, 40. pandemic, 41. mammalian, 42. disrupt, 43. robotic, 44. metagenomics

45. alien sp_____ip

n. (especially in science fiction) a spacecraft designed to carry a crew into interstellar space

46. a sp_____ip to survey the moon

n. (especially in science fiction) a spacecraft designed to carry a crew into interstellar space

ANSWERS: 45. spaceship, 46. spaceship

Session 3: Fill in the Blanks

1. This _____ is a producer of respiratory disease.

   n.   a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope

2. The two rivers _____ into one near this area.

   v.   to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet

3. The cost of transportation could be significantly reduced with the adoption of _____.

   n.   a type of autonomous vehicle that operates as a taxi service, transporting passengers without the need for a driver

4. The phone rang at the most _____ time.

   adj.   suitable or happening at a time that is suitable or convenient for a particular purpose

5. Cryptocurrencies are only one form of implementation of _____ technology.

   n.   a system in which a growing list of payment records, called blocks, made in cryptocurrency is maintained across several computers that are securely linked

6. This process improves the strength of the metal by controlling the _____ lattice structure of the metal.

   adj.   on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

7. The field of _____ studies the genetic material found in complex microbial communities.

   n.   the study of genetic material recovered from environmental samples rather than from individual organisms to understand the diversity and function of microbial communities

ANSWERS: 1. microorganism, 2. converge, 3. robotaxis, 4. opportune, 5. blockchain,

6. nanoscale, 7. metagenomics

8. This project is _____ despite the tight schedule.

   adj. possible to do; capable of existing, taking place, or proving true

9. They launched a crewless _____ into space.

   n. (especially in science fiction) a spacecraft designed to carry a crew into interstellar space

10. University is a great place to _____ our minds and expertise.

   v. to prepare and foster land for growing crops or plants

11. The _____ of Nations is an association of 54 countries, mostly former territories of the British Empire.

   n. a community of nations or people or a state in which the people hold the supreme power

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

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

13. He was known to be very _____ and would often work late into the night.

   adj. hardworking, diligent, and persistent in effort

14. They fear a _____ of a new type of virus.

   n. an outbreak of a disease that affects many people over a very wide area

15. Tourists gathered at the _____ base to take photos and admire the view.

   n. a tower or other structure that is equipped with a powerful light designed to guide ships safely to harbor or warn them of impending danger

ANSWERS: 8. doable, 9. spaceship, 10. cultivate, 11. Commonwealth, 12. Mammalian, 13. industrious, 14. pandemic, 15. lighthouse's

16. Her multidisciplinary works _____ music and picture with writing.

v.   to meet or cross one another

17. The surgeon removed the tumor using _____ video assistance.

adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

18. We have to _____ our company's product lineup for further growth.

v.   to consider again a plan, idea, etc., especially to change it

19. I'm so sorry to _____ you when you're pretty busy.

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

20. The process of _____ is used to make beer, wine, and many other products.

n.   the chemical breakdown of a substance by bacteria, yeasts, or other microorganisms, typically involving effervescence and the giving off of the heat

21. We should do our best not to _____ the environment.

v.   to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

22. The roads to the airport were heavily _____.

v.   to make something blocked or crowded so as to hinder or prevent freedom of movement or flow of liquid

23. The dictator was known for his _____ tactics and had no qualms about using violence to maintain power.

adj. lacking in pity or compassion; willing to do whatever it takes to achieve their goals, regardless of the consequences for others

ANSWERS: 16. intersect, 17. robotic, 18. rethink, 19. disrupt, 20. fermentation, 21. pollute, 22. congested, 23. ruthless

ANSWERS: