

# Englist.me



## Vocabulary Builder Reference from...

*Pratik Shah: How AI is making it easier to diagnose disease | TED Talk*

[https://www.ted.com/talks/pratik\\_shah\\_how\\_ai\\_is\\_making\\_it\\_easier\\_to\\_diagnose\\_disease](https://www.ted.com/talks/pratik_shah_how_ai_is_making_it_easier_to_diagnose_disease)

### All Words

#### IMPORTANT

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## Session 1: Word List

### algorithm

*n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation

*synonym*: logic, method, rule

(1) the RSA **algorithm**, (2) **algorithm** for image processing  
We can evaluate the performance of an **algorithm** in terms of computation time.

### incredible

*adj.* unbelievable; enormous

*synonym*: unbelievable, fantastical, inconceivable

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

### accuracy

*n.* the state or degree of being exact or correct; the ability to perform something with proficiency and without mistake

*synonym*: precision, exactness, truthfulness

(1) degree of **accuracy**, (2) the **accuracy** of his compass  
To assure **accuracy**, I recommend investing in high-quality test kits.

### massive

*adj.* enormous amount; very heavy and solid

*synonym*: enormous, giant, immense

(1) **massive** amounts, (2) **massive** stars

The recent economic downturn has resulted in **massive** layoffs.

## intelligence

*n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons

*synonym*: brains, brightness, cleverness

(1) an **intelligence** test, (2) field of artificial **intelligence**

In terms of **intelligence**, he was head and shoulders above his classmates.

## refer

*v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

*synonym*: cite, allude, mention

(1) **refer** to a book, (2) **refer** to a map

Please **refer** to the instruction manual for further assistance.

## AI

*n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation

*synonym*: robot, machine learning, neural network

(1) **AI** expert, (2) apply **AI** technology to art

The evolution of processors has dramatically improved the performance of **AI**.

## detect

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

*synonym*: catch, observe, notice

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

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

## diagnose

*v.* to determine or distinguish the nature of a problem or an illness through a careful analysis

*synonym*: identify, analyze, interpret

(1) **diagnose** the problem, (2) **diagnose** with CT scans

This device is used to **diagnose** brain cancer and other tumors.

## threaten

*v.* to utter intentions of injury or punishment against someone

*synonym*: endanger, terrorize, intimidate

(1) **threaten** a healthy relationship, (2) **threaten** national security

Various artificially induced causes are **threatening** our ecosystem.

## infectious

*adj.* able to be passed quickly from one person, animal, or plant to another, especially through air or water

*synonym*: contagious, epidemic, transmittable

(1) an **infectious** fever, (2) person's smile is **infectious**

Leprosy is an indolent **infectious** disease.

## disease

*n.* 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.

## cancer

*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

*synonym*: tumor, carcinoma, malignancy

(1) **cancer** diagnosis, (2) **cancer** research

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

## patient

*n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic

*synonym*: client, recipient, subject

(1) **patient** in the hospital, (2) **patient** with weight loss  
The doctor carefully examined the **patient's** medical history.

## **liver**

*n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

(1) **liver** disease, (2) fatty **liver**

The patient will undergo **liver** transplant surgery tomorrow.

## **detection**

*n.* the act of discovering or identifying the presence of something

*synonym* : discovery, identification, recognition

(1) **detection** by the security software, (2) importance of early **detection**

This smartphone has a collision **detection** function.

## **unfortunately**

*adv.* by bad luck; unluckily

*synonym* : regrettably, unluckily, alas

(1) **unfortunately** caught in a shower, (2) even more **unfortunately**

The treatments were done but, **unfortunately**, were unsuccessful.

## **suspect**

*v.* to consider anything to be actual or probable

*synonym* : assume, distrust, surmise

(1) **suspect** a plot, (2) **suspect** that he is sick

The cops **suspected** him of being the killer.

## **physician**

*n.* a medical doctor who practices medicine

*synonym* : doctor, practitioner, medic

(1) the advice of the **physician**, (2) consult with a **physician**

She visited the local **physician** to seek treatment for her persistent headache.

## **medical**

*adj.* relating to the treatment of illness or injuries; relating to the practice of medicine

*synonym* :

health, disease, treatment

(1) a **medical** opinion, (2) temporary **medical** treatment  
The **medical** team worked quickly to save the patient's life.

## fluorescent

*adj.* emitting or reflecting vibrant and vivid light, especially under ultraviolet light; describing a type of lamp or bulb that produces such light

*synonym*: luminescent, phosphorescent, radiant

(1) **fluorescent** bulb, (2) **fluorescent** material

The office installed new **fluorescent** lighting to save energy.

## intensive

*adj.* involving a lot of work or activity in a short time

*synonym*: thorough, comprehensive, in-depth

(1) **intensive** agriculture, (2) **intensive** care

The construction industry is labor **intensive**, although it has been somewhat automated by introducing large machinery.

## process

*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

*synonym*: procedure, method, system

(1) **process** improvement, (2) decision-making **process**

The **process** for applying for a visa can be lengthy and complicated.

## practical

*adj.* of or connected with actual use or real situation rather than with theory and ideas

*synonym*: applicable, functional, realistic

(1) **practical** English, (2) gain **practical** experience

Her concept is highly **practical** and helpful.

## 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.

## industrialize

*v.* to organize the production of something into an industry

*synonym*: motorize

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

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

## nation

*n.* a large organized community of people living in a particular country or region and having a particular culture

*synonym*: country, state, sovereign entity

(1) **nation-state**, (2) a seafaring **nation**

The **nation** of Japan is known for its unique culture and advanced technology.

## tradition

*n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

*synonym*: custom, practice, ritual

(1) a **tradition** of a culture, (2) against **tradition**

It is a **tradition** in many families to have a big Thanksgiving dinner with all their relatives.

## architecture

*n.* the art and science of designing and constructing buildings

*synonym*: design, structure, layout

(1) **architecture** design, (2) classic **architecture**

The city is known for its impressive **architecture** and beautiful old buildings.

## analyze

*v.* to think about in-depth and evaluate to discover essential features or meaning

*synonym*: explore, examine, investigate

(1) **analyze** a chemical compound, (2) **analyze** your real motives

The teacher attempted to **analyze** the root cause of our mistake.

## neural

*adj.* of or relating to a nerve or the nervous system that includes the brain

*synonym*: sensory, neuronic, nervous

(1) **neural** stem cells, (2) **neural** networks in AI

There was a disturbance of **neural** function.

## suffer

*v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

*synonym*: endure, undergo, tolerate

(1) **suffer** a setback, (2) **suffer** bad grades

The older man **suffers** from arthritis and finds it difficult to move around.

## invention

*n.* 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**.

## scalable

*adj.* capable of being easily expanded or increased in size, number, or scale to meet changing demands

*synonym*: expandable, flexible, adjustable

(1) **scalable** solution, (2) dynamically **scalable**

The company's new software is highly **scalable**, allowing it to handle increasing number of users.

## lab

*n.* 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**.

## orthodox

*adj.* following or conforming to the traditional, normal, or commonly accepted beliefs, ideas, or activities; of or relating to Judaism; of or relating to the Eastern Orthodox Church

*synonym* : traditional, conventional, established

(1) an **orthodox** doctrine, (2) **orthodox** thought

He challenged the **orthodox** views on business.

## clinical

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

*synonym* : dispassionate, analytic, scientific

(1) **clinical** surgery, (2) participate in **clinical** trials

She received special **clinical** training at the hospital.

## ambitious

*adj.* having a great desire to attain achievement, power, or wealth

*synonym* : enterprising, challenging, earnest

(1) achieve **ambitious** goals, (2) with an **ambitious** eye

Their company has been in business for a short time but has **ambitious** goals.

## extract

*n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

*synonym* : excerpt, quote, distillation

(1) a brief **extract** from the book, (2) botanical **extract**

Anesthetize the gum before **extracting** the teeth.

## packet

*n.* a small container or envelope that holds one or more items typically used for storing or transporting items like food, medicine, or marketing materials

*synonym* : package, parcel, bundle



(1) **packet** delivery, (2) **packet** data network  
I need to buy a **packet** of biscuits from the store.

## pixel

*n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image

*synonym*: dot, point, picture element

(1) **pixel** density, (2) color **pixels**

The computer screen comprises thousands of tiny **pixels** that create the overall picture.

## geometry

*n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces

(1) Euclidean **geometry**, (2) spherical **geometry**

The mathematician pioneered fractal **geometry**.

## render

*v.* to bring someone or something into a particular state; to provide something such as service, help, etc.

*synonym*: deliver, give, provide

(1) **render** an assessment, (2) **render** the contract void

The jury must **render** a decision on this complex case.

## convert

*v.* to have a talk with someone; (adjective) reversed in order, relation, or action

*synonym*: alter, remake, transform

(1) **convert** fat into energy, (2) **convert** base 10 to base 16

I want to **convert** my sadness into strength.

## photograph

*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

*synonym*: photo, picture, snapshot

(1) **photograph** album, (2) **photograph** memories

I found an old **photograph** of my grandparents from their wedding day.

## 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.

## overlay

*v.* to place or cover something over or on top of something else; to add a layer of functionality or data on top of another (noun) a layer of material placed on top of a surface, typically to protect or decorate it

*synonym* : cover, superimpose, layer

(1) **overlay** multiple graphs, (2) **overlay** image

They tried to **overlay** the old map with the new one to compare the changes.

## composite

*adj.* made up of different parts, elements, or substances; (noun) something made from two or more different substances

*synonym* : compound, combined, mixed

(1) **composite** materials, (2) a **composite** of different photographs

The **composite** index tracks the performance of multiple stocks in the same sector.

## efficiency

*n.* the state or quality of doing something well with no waste of input such as time or money

*synonym* : effectiveness, efficacy, productivity

(1) better fuel **efficiency**, (2) an energy **efficiency**

Our company must continue to strive for greater **efficiency**.

## summarize

*v.* to give a brief statement of the most important facts or ideas about something

*synonym* : recap, outline, digest

(1) **summarizes** the main ideas, (2) **summarize** text

Each chapter **summarizes** the most critical issues.

## resolve

v. to find a suitable answer to the problems or difficulty  
*synonym*: decide, determine, fix

(1) **resolve** a dispute, (2) **resolve** the computer error

This company **resolves** its battery problem completely.

## Session 2: Spelling

1. di\_\_\_\_e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
2. re\_\_\_\_r an assessment *v.* to bring someone or something into a particular state; to provide something such as service, help, etc.
3. arc\_\_\_\_\_\_ure design *n.* the art and science of designing and constructing buildings
4. di\_\_\_\_se the problem *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
5. pr\_\_\_\_al English *adj.* of or connected with actual use or real situation rather than with theory and ideas
6. ca\_\_\_\_r research *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. unf\_\_\_\_\_\_ely caught in a shower *adv.* by bad luck; unluckily
8. a seafaring na\_\_\_\_n *n.* a large organized community of people living in a particular country or region and having a particular culture
9. ov\_\_\_\_y image *v.* to place or cover something over or on top of something else; to add a layer of functionality or data on top of another (noun) a layer of material placed on top of a surface, typically to protect or decorate it

ANSWERS: 1. disease, 2. render, 3. architecture, 4. diagnose, 5. practical, 6. cancer, 7. unfortunately, 8. nation, 9. overlay

10. ne\_\_\_l networks in AI *adj.* of or relating to a nerve or the nervous system that includes the brain
11. inc\_\_\_\_\_le amount *adj.* unbelievable; enormous
12. the in\_\_\_\_\_on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
13. de\_\_\_\_\_p a skill *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
14. an\_\_\_\_\_e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
15. ind\_\_\_\_\_ize service *v.* to organize the production of something into an industry
16. degree of ac\_\_\_\_\_cy *n.* the state or degree of being exact or correct; the ability to perform something with proficiency and without mistake
17. fatty li\_\_r *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
18. ca\_\_\_\_r 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
19. l\_b instrument *n.* a workplace for the conduct of scientific research; a laboratory

ANSWERS: 10. neural, 11. incredible, 12. invention, 13. develop, 14. analyze, 15. industrialize, 16. accuracy, 17. liver, 18. cancer, 19. lab

20. a co\_\_\_\_\_te of different photographs  
*adj.* made up of different parts, elements, or substances; (noun) something made from two or more different substances
21. color pi\_\_ls  
*n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image
22. an\_\_\_\_\_e a chemical compound  
*v.* to think about in-depth and evaluate to discover essential features or meaning
23. the ac\_\_\_\_\_cy of his compass  
*n.* the state or degree of being exact or correct; the ability to perform something with proficiency and without mistake
24. su\_\_\_\_\_ze text  
*v.* to give a brief statement of the most important facts or ideas about something
25. achieve am\_\_\_\_\_us goals  
*adj.* having a great desire to attain achievement, power, or wealth
26. or\_\_\_\_\_ox thought  
*adj.* following or conforming to the traditional, normal, or commonly accepted beliefs, ideas, or activities; of or relating to Judaism; of or relating to the Eastern Orthodox Church
27. participate in cl\_\_\_\_\_al trials  
*adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
28. AI expert  
*n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation

ANSWERS: 20. composite, 21. pixel, 22. analyze, 23. accuracy, 24. summarize, 25. ambitious, 26. orthodox, 27. clinical, 28. AI

29. sc\_\_\_\_le solution *adj.* capable of being easily expanded or increased in size, number, or scale to meet changing demands
30. di\_\_\_\_se with CT scans *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
31. against tr\_\_\_\_on *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
32. temporary me\_\_\_\_l treatment *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
33. ma\_\_\_\_e stars *adj.* enormous amount; very heavy and solid
34. importance of early de\_\_\_\_on *n.* the act of discovering or identifying the presence of something
35. flu\_\_\_\_nt material *adj.* emitting or reflecting vibrant and vivid light, especially under ultraviolet light; describing a type of lamp or bulb that produces such light
36. flu\_\_\_\_nt bulb *adj.* emitting or reflecting vibrant and vivid light, especially under ultraviolet light; describing a type of lamp or bulb that produces such light
37. pa\_\_\_\_t with weight loss *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic

ANSWERS: 29. scalable, 30. diagnose, 31. tradition, 32. medical, 33. massive, 34. detection, 35. fluorescent, 36. fluorescent, 37. patient

38. su\_\_\_\_\_zes the main ideas      *v.* to give a brief statement of the most important facts or ideas about something
39. an inf\_\_\_\_\_us fever      *adj.* able to be passed quickly from one person, animal, or plant to another, especially through air or water
40. ne\_\_\_\_l stem cells      *adj.* of or relating to a nerve or the nervous system that includes the brain
41. de\_\_\_\_t smuggling across borders      *v.* to find or recognize something, especially something difficult to see, hear, etc.
42. di\_\_\_\_\_e prevention      *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
43. a me\_\_\_\_\_l opinion      *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
44. a brief ex\_\_\_\_\_t from the book      *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
45. an energy eff\_\_\_\_\_cy      *n.* the state or quality of doing something well with no waste of input such as time or money
46. common in\_\_\_\_\_on      *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing

ANSWERS: 38. summarize, 39. infectious, 40. neural, 41. detect, 42. disease, 43. medical, 44. extract, 45. efficiency, 46. invention



47. de\_\_\_\_p a strategy  
*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
48. de\_\_\_\_t a bad event  
*v.* to find or recognize something, especially something difficult to see, hear, etc.
49. at inc\_\_\_\_\_le speed  
*adj.* unbelievable; enormous
50. botanical ex\_\_\_\_t  
*n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (*v.*) to obtain from something or to remove something by effort or force
51. ma\_\_\_\_\_e amounts  
*adj.* enormous amount; very heavy and solid
52. spherical ge\_\_\_\_ry  
*n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
53. ov\_\_\_\_y multiple graphs  
*v.* to place or cover something over or on top of something else; to add a layer of functionality or data on top of another (*n.*) a layer of material placed on top of a surface, typically to protect or decorate it
54. in\_\_\_\_\_ve care  
*adj.* involving a lot of work or activity in a short time
55. pho\_\_\_\_\_ph 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

ANSWERS: 47. develop, 48. detect, 49. incredible, 50. extract, 51. massive, 52. geometry, 53. overlay, 54. intensive, 55. photograph

56. li\_\_r disease *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
57. th\_\_\_\_\_en a healthy relationship *v.* to utter intentions of injury or punishment against someone
58. the RSA al\_\_\_\_\_hm *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
59. su\_\_\_\_\_t a plot *v.* to consider anything to be actual or probable
60. re\_\_r to a map *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
61. co\_\_\_\_\_t base 10 to base 16 *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
62. th\_\_\_\_\_en national security *v.* to utter intentions of injury or punishment against someone
63. medical l\_b *n.* a workplace for the conduct of scientific research; a laboratory
64. an int\_\_\_\_\_nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
65. ac\_\_\_\_\_e a new company *v.* to buy or obtain something such as an asset, object, knowledge, etc., for oneself
66. classic arc\_\_\_\_\_ure *n.* the art and science of designing and constructing buildings

ANSWERS: 56. liver, 57. threaten, 58. algorithm, 59. suspect, 60. refer, 61. convert, 62. threaten, 63. lab, 64. intelligence, 65. acquire, 66. architecture

67. re\_\_\_r the contract void      *v.* to bring someone or something into a particular state; to provide something such as service, help, etc.
68. ind\_\_\_\_\_ized textile production      *v.* to organize the production of something into an industry
69. dynamically sc\_\_\_\_\_le      *adj.* capable of being easily expanded or increased in size, number, or scale to meet changing demands
70. person's smile is inf\_\_\_\_\_us      *adj.* able to be passed quickly from one person, animal, or plant to another, especially through air or water
71. cl\_\_\_\_\_al surgery      *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
72. re\_\_\_\_\_e the computer error      *v.* to find a suitable answer to the problems or difficulty
73. re\_\_\_\_\_e a dispute      *v.* to find a suitable answer to the problems or difficulty
74. a tr\_\_\_\_\_on of a culture      *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
75. pa\_\_\_\_t data network      *n.* a small container or envelope that holds one or more items typically used for storing or transporting items like food, medicine, or marketing materials
76. ac\_\_\_\_\_e knowledge      *v.* to buy or obtain something such as an asset, object, knowledge, etc., for oneself

ANSWERS: 67. render, 68. industrialize, 69. scalable, 70. infectious, 71. clinical, 72. resolve, 73. resolve, 74. tradition, 75. packet, 76. acquire

77. even more unf\_\_\_\_\_ely *adv.* by bad luck; unluckily
78. field of artificial int\_\_\_\_\_nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
79. pr\_\_\_\_\_s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
80. su\_\_\_\_r a setback *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
81. Euclidean ge\_\_\_\_\_ry *n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
82. su\_\_\_\_\_t that he is sick *v.* to consider anything to be actual or probable
83. pho\_\_\_\_\_ph 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
84. apply AI technology to art *n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation

ANSWERS: 77. unfortunately, 78. intelligence, 79. process, 80. suffer, 81. geometry, 82. suspect, 83. photograph, 84. AI

85. co\_\_\_\_\_te materials *adj.* made up of different parts, elements, or substances; (noun) something made from two or more different substances
86. pa\_\_\_\_t delivery *n.* a small container or envelope that holds one or more items typically used for storing or transporting items like food, medicine, or marketing materials
87. su\_\_\_\_r bad grades *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
88. the advice of the ph\_\_\_\_\_an *n.* a medical doctor who practices medicine
89. in\_\_\_\_\_ve agriculture *adj.* involving a lot of work or activity in a short time
90. better fuel eff\_\_\_\_\_cy *n.* the state or quality of doing something well with no waste of input such as time or money
91. an or\_\_\_\_\_ox doctrine *adj.* following or conforming to the traditional, normal, or commonly accepted beliefs, ideas, or activities; of or relating to Judaism; of or relating to the Eastern Orthodox Church
92. al\_\_\_\_\_hm for image processing *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
93. re\_\_r to a book *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

ANSWERS: 85. composite, 86. packet, 87. suffer, 88. physician, 89. intensive, 90. efficiency, 91. orthodox, 92. algorithm, 93. refer

94. pa\_\_\_\_t in the hospital *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
95. pi\_\_l density *n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image
96. de\_\_\_\_\_on by the security software *n.* the act of discovering or identifying the presence of something
97. gain pr\_\_\_\_\_al experience *adj.* of or connected with actual use or real situation rather than with theory and ideas
98. na\_\_\_n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
99. decision-making pr\_\_\_\_\_s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
100. with an am\_\_\_\_\_us eye *adj.* having a great desire to attain achievement, power, or wealth
101. co\_\_\_\_\_t fat into energy *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
102. consult with a ph\_\_\_\_\_an *n.* a medical doctor who practices medicine

ANSWERS: 94. patient, 95. pixel, 96. detection, 97. practical, 98. nation, 99. process, 100. ambitious, 101. convert, 102. physician

ANSWERS:

## Session 3: Fill in the Blanks

1. It is a \_\_\_\_\_ in many families to have a big Thanksgiving dinner with all their relatives.
  - n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
  
2. The city is known for its impressive \_\_\_\_\_ and beautiful old buildings.
  - n.* the art and science of designing and constructing buildings
  
3. This smartphone has a collision \_\_\_\_\_ function.
  - n.* the act of discovering or identifying the presence of something
  
4. We must \_\_\_\_\_ a new system to streamline our workflow and increase efficiency.
  - 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
  
5. Please \_\_\_\_\_ to the instruction manual for further assistance.
  - v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
  
6. Necessity is the mother of \_\_\_\_\_.
  - n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
  
7. Leprosy is an indolent \_\_\_\_\_ disease.
  - adj.* able to be passed quickly from one person, animal, or plant to another, especially through air or water

ANSWERS: 1. tradition, 2. architecture, 3. detection, 4. develop, 5. refer, 6. invention, 7. infectious



8. The teacher attempted to \_\_\_\_\_ the root cause of our mistake.  
*v.* to think about in-depth and evaluate to discover essential features or meaning
9. The \_\_\_\_\_ of Japan is known for its unique culture and advanced technology.  
*n.* a large organized community of people living in a particular country or region and having a particular culture
10. In terms of \_\_\_\_\_ he was head and shoulders above his classmates.  
*n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
11. Her response revealed \_\_\_\_\_ idiocy.  
*adj.* unbelievable; enormous
12. This company \_\_\_\_\_ its battery problem completely.  
*v.* to find a suitable answer to the problems or difficulty
13. Anesthetize the gum before \_\_\_\_\_ the teeth.  
*n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
14. The \_\_\_\_\_ for applying for a visa can be lengthy and complicated.  
*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
15. Various artificially induced causes are \_\_\_\_\_ our ecosystem.  
*v.* to utter intentions of injury or punishment against someone

ANSWERS: 8. analyze, 9. nation, 10. intelligence, 11. incredible, 12. resolves, 13. extracting, 14. process, 15. threatening

16. The doctor diagnosed him with a rare \_\_\_\_\_ that had no known cure.  
*n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
17. Children \_\_\_\_\_ language at a fantastic rate.  
*v.* to buy or obtain something such as an asset, object, knowledge, etc., for oneself
18. We can evaluate the performance of an \_\_\_\_\_ in terms of computation time.  
*n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
19. The mathematician pioneered fractal \_\_\_\_\_.  
*n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
20. I want to \_\_\_\_\_ my sadness into strength.  
*v.* to have a talk with someone; (adjective) reversed in order, relation, or action
21. The patient will undergo \_\_\_\_\_ transplant surgery tomorrow.  
*n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
22. She visited the local \_\_\_\_\_ to seek treatment for her persistent headache.  
*n.* a medical doctor who practices medicine
23. Their company has been in business for a short time but has \_\_\_\_\_ goals.  
*adj.* having a great desire to attain achievement, power, or wealth

ANSWERS: 16. disease, 17. acquire, 18. algorithm, 19. geometry, 20. convert, 21. liver, 22. physician, 23. ambitious

24. The doctor carefully examined the \_\_\_\_\_ medical history.
- n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
25. The nations of South East Asia will quickly \_\_\_\_\_ and catch up with the West.
- v.* to organize the production of something into an industry
26. The Prime Minister will pay a courtesy visit to the Nobel laureate's \_\_\_\_.
- n.* a workplace for the conduct of scientific research; a laboratory
27. I need to buy a \_\_\_\_\_ of biscuits from the store.
- n.* a small container or envelope that holds one or more items typically used for storing or transporting items like food, medicine, or marketing materials
28. Our company must continue to strive for greater \_\_\_\_\_.
- n.* the state or quality of doing something well with no waste of input such as time or money
29. The evolution of processors has dramatically improved the performance of \_\_\_\_.
- n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation
30. Her concept is highly \_\_\_\_\_ and helpful.
- adj.* of or connected with actual use or real situation rather than with theory and ideas

ANSWERS: 24. patient's, 25. industrialize, 26. lab, 27. packet, 28. efficiency, 29. AI, 30. practical

31. He challenged the \_\_\_\_\_ views on business.

*adj.* following or conforming to the traditional, normal, or commonly accepted beliefs, ideas, or activities; of or relating to Judaism; of or relating to the Eastern Orthodox Church

32. The jury must \_\_\_\_\_ a decision on this complex case.

*v.* to bring someone or something into a particular state; to provide something such as service, help, etc.

33. She received special \_\_\_\_\_ training at the hospital.

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

34. The construction industry is labor \_\_\_\_\_ although it has been somewhat automated by introducing large machinery.

*adj.* involving a lot of work or activity in a short time

35. This device is used to \_\_\_\_\_ brain cancer and other tumors.

*v.* to determine or distinguish the nature of a problem or an illness through a careful analysis

36. To assure \_\_\_\_\_ I recommend investing in high-quality test kits.

*n.* the state or degree of being exact or correct; the ability to perform something with proficiency and without mistake

37. The treatments were done but, \_\_\_\_\_ were unsuccessful.

*adv.* by bad luck; unluckily

38. Each chapter \_\_\_\_\_ the most critical issues.

*v.* to give a brief statement of the most important facts or ideas about something

ANSWERS: 31. orthodox, 32. render, 33. clinical, 34. intensive, 35. diagnose, 36. accuracy, 37. unfortunately, 38. summarizes

39. The \_\_\_\_\_ team worked quickly to save the patient's life.

*adj.* relating to the treatment of illness or injuries; relating to the practice of medicine

40. The office installed new \_\_\_\_\_ lighting to save energy.

*adj.* emitting or reflecting vibrant and vivid light, especially under ultraviolet light; describing a type of lamp or bulb that produces such light

41. They tried to \_\_\_\_\_ the old map with the new one to compare the changes.

*v.* to place or cover something over or on top of something else; to add a layer of functionality or data on top of another (noun) a layer of material placed on top of a surface, typically to protect or decorate it

42. I found an old \_\_\_\_\_ of my grandparents from their wedding day.

*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

43. The security camera has \_\_\_\_\_ four intruders.

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

44. 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

45. The company's new software is highly \_\_\_\_\_ allowing it to handle increasing number of users.

*adj.* capable of being easily expanded or increased in size, number, or scale to meet changing demands

ANSWERS: 39. medical, 40. fluorescent, 41. overlay, 42. photograph, 43. detected, 44. cancer, 45. scalable,

46. The recent economic downturn has resulted in \_\_\_\_\_ layoffs.

*adj.* enormous amount; very heavy and solid

47. The computer screen comprises thousands of tiny \_\_\_\_\_ that create the overall picture.

*n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image

48. There was a disturbance of \_\_\_\_\_ function.

*adj.* of or relating to a nerve or the nervous system that includes the brain

49. The \_\_\_\_\_ index tracks the performance of multiple stocks in the same sector.

*adj.* made up of different parts, elements, or substances; (noun) something made from two or more different substances

50. The older man \_\_\_\_\_ from arthritis and finds it difficult to move around.

*v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

51. The cops \_\_\_\_\_ him of being the killer.

*v.* to consider anything to be actual or probable

ANSWERS: 46. massive, 47. pixels, 48. neural, 49. composite, 50. suffers, 51. suspected