

# Englist.me



## Vocabulary Builder Reference from...

Aaron Sams: How to speed up chemical reactions

(and get a date) | TED Talk

[https://www.ted.com/talks/aaron\\_sams\\_how\\_to\\_speed\\_up\\_chemical\\_reactions\\_and\\_get\\_a\\_date](https://www.ted.com/talks/aaron_sams_how_to_speed_up_chemical_reactions_and_get_a_date)

[d\\_up\\_chemical\\_reactions\\_and\\_get\\_a\\_date](https://www.ted.com/talks/aaron_sams_how_to_speed_up_chemical_reactions_and_get_a_date)

### All Words

#### IMPORTANT

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## Session 1: Word List

### chemistry

*n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions

(1) professor of **chemistry**, (2) the **chemistry** of soil  
He is familiar with **chemistry** and biology.

### chemical

*adj.* relating to or connected with chemistry;

*synonym*: chemic, synthetic

(1) toxic **chemicals**, (2) a **chemical** compound  
The firm has grown into a large **chemical** manufacturing.

### reaction

*n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others

*synonym*: response, reply, answer

(1) chemical **reaction**, (2) trigger a **reaction**  
There was a chemical **reaction** of the lime with the groundwater.

### 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.

## dispose

*v.* to put things or people in a particular manner or position;  
to incline someone towards a specific activity or mood;  
throw or cast away

*synonym* : get rid of, arrange, set

(1) **dispose** battleships for a battle, (2) **dispose** of a used product

Generally speaking, the child is innately **disposed** to learn a language.

## unbeknownst

*adv.* without the knowledge or awareness of someone;  
without someone's knowledge or participation

*synonym* : secretly, covertly

(1) **unbeknownst** to me, (2) **unbeknownst** to any of us

**Unbeknownst** to the family, the treasure had been hidden in the attic for years.

## sprint

*v.* to run at full speed over a short distance or period of time

*synonym* : dash, bolt, race

(1) **sprint** for a bus, (2) **sprint** towards the finish line

Top athletes can **sprint** 100 meters in less than 10 seconds.

## collision

*n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict

*synonym* : crash, impact, smash

(1) **collision** detection, (2) come into **collision** with my friend

The **collision** of tectonic plates can result in new mountain ranges, such as the Himalayas or the Alps.

## squarely

*adv.* directly and firmly; in a square shape

*synonym* : honestly, justly, straightforwardly

(1) look **squarely** at reality, (2) a **squarely** cut piece of paper

We must **squarely** address the problem.

## recollect

*v.* to remember or call to mind something from the past

*synonym* : remember, recall, reminisce

(1) **recollect** the image, (2) as far as I can **recollect**

She closed her eyes and tried to **recollect** her thoughts before the meeting.

## belong

*v.* to be the property of someone or something; to be a member or part of a group; to be in the proper or appropriate place

*synonym* : fit, be appropriate, be suitable

(1) **belong** to different species, (2) **belong** to a group

All the books in this section **belong** to the library's rare collection and must be handled carefully.

## politely

*adv.* in a courteous or respectful manner, showing good manners or consideration for others

*synonym* : courteously, respectfully, graciously

(1) **politely** ask, (2) nodded **politely**

She **politely** declined the invitation to the party, saying she had other plans.

## collide

*v.* to hit something violently when moving

*synonym* : clash, slam, contradict

(1) **collide** head-on, (2) **collide** in midair

The interests of the two countries **collide**.

## characteristic

*n.* a typical feature or quality that can identify, tell apart, or describe something or somebody

*synonym* : feature, quality, attribute

(1) stripes **characteristic** of the zebra, (2) my friend's

**characteristic** laugh

Bananas have their **characteristic** taste and odor.

## orientation

*n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment

*synonym*: direction, introduction, frontage

(1) sexual **orientation**, (2) the school **orientation**

There will be an **orientation** lecture for new students this afternoon.

## incident

*n.* an event or occurrence, often unexpected or unplanned; something that happens

*synonym*: event, occurrence, accident

(1) traffic **incident**, (2) security **incident**

The **incident** at the airport caused a delay in my flight.

## decide

*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options

*synonym*: choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action

She couldn't **decide** whether to order the pizza or the pasta for dinner.

## parallel

*adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

*synonym*: aligned, side-by-side, similar

(1) a **parallel** case, (2) **parallel** processing

He walked a road **parallel** to the railroad.

## hallway

*n.* an interior passage or corridor onto which rooms open

*synonym*: foyer, corridor, entrance

(1) the head of a **hallway**, (2) wax a **hallway** floor

He dashed down a **hallway** to a bathroom.

## educational

*adj.* relating to education or providing knowledge or instruction

*synonym* : instructional, informative, enlightening

(1) **educational** system, (2) elevate **educational** standards

The museum offers a variety of **educational** programs for children and adults.

## environment

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

*synonym* : atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

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

## facilitate

*v.* to make something easier or more likely to happen

*synonym* : aid, assist, help

(1) **facilitate** a smooth transition, (2) **facilitate** the process

The company implemented a new software system to **facilitate** employee communication and collaboration.

## improvisation

*n.* the act of making something up on the spot or creating or performing something without preparation

*synonym* : spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**

He created a beautiful piece of music using only **improvisation**.

## propose

*v.* to make a proposal, declare a plan for something

*synonym* : suggest, offer, recommend

(1) **propose** the amendment, (2) **propose** changes

I want to **propose** a toast in honor of our longstanding relationship.

## shrink

*v.* to become smaller, or to make something smaller in size or amount

*synonym* : decrease, diminish, shy away

(1) **shrink** the tumor, (2) **shrink** with fear  
This shirt will **shrink** in the wash.

## navigate

*v.* to plan and direct the way that a ship, plane, etc. will travel, often by using a map

*synonym*: guide, helm, voyage

(1) **navigate** the Pacific, (2) **navigate** through a document  
Our knowledge helps **navigate** our clients successfully.

## likelihood

*n.* the probability or chance that something will happen or be the case

*synonym*: probability, chance, possibility

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

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

## alignment

*n.* an arrangement in which two or more elements are placed in a straight line or parallel to each other

*synonym*: conjunction, arrangement, coalition

(1) **alignment** in an organization, (2) be in **alignment**

In the last century, Britain formed a strong **alignment** with Egypt.

## equivalent

*n.* having the same value, quality, meaning, purpose, etc.

*synonym*: equal, counterpart, match

(1) **equivalent** amounts, (2) **equivalent** in meaning

The European Central Bank is Europe's **equivalent** of the Federal Reserve.

## volume

*n.* the amount of space occupied by an object or substance; the magnitude of sound

*synonym*: capacity, amount, intensity

(1) **volume** of work, (2) high **volume**

This container has a **volume** of 10 cubic meters.

## vessel

*n.* a ship or large boat

*synonym*: boat, ship, craft

(1) blood **vessels**, (2) naval **vessels**

The **vessel** arrived in port the following day.

## mixture

*n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties

*synonym*: blend, amalgam, concoction

(1) **mixture** of emotions, (2) perfect **mixture**

The paint was a **mixture** of different pigments to achieve the desired color.

## individual

*n.* a single person or thing, as distinct from a group

*synonym*: person, being, self

(1) a private **individual**, (2) **individual** freedom

As an **individual**, he had the right to make his own decisions and live his life as he saw fit.

## particle

*n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance

*synonym*: atom, grain, bit

(1) charged **particle**, (2) **particle** energy

We can calculate the position of the **particles** statistically.

## appropriate

*adj.* suitable or proper in the circumstances; fitting

*synonym*: fitting, suitable, proper

(1) **appropriate** behavior, (2) an **appropriate** time

It would be **appropriate** to dress nicely for the wedding.

## configuration

*n.* the arrangement or pattern of something or a group of related things

*synonym*: arrangement, composition, formatting

(1) **configuration** of the system, (2) engine **configuration**

The **configuration** of molecules in steel changes significantly

with temperature.

## velocity

*n.* the rate of change of an object's position with respect to time, often measured in meters per second (m/s)

*synonym*: speed, rapidity, swiftness

(1) initial **velocity**, (2) high **velocity**

The **velocity** of the car was too fast for the road conditions.

## analogous

*adj.* similar or equivalent in some respects, typically as a result of functioning in a similar way

*synonym*: similar, comparable, equivalent

(1) **analogous** fashion, (2) entirely **analogous**

The human heart is **analogous** to a pump in a plumbing system.

## temperature

*n.* the degree of hotness or coldness of a thing or place

*synonym*: climate, warmth, degree

(1) extreme **temperatures**, (2) the atmospheric **temperature**

Cities around the world set records for highest **temperatures** this summer.

## insulate

*v.* to protect something by interposing material that prevents heat, noise, electricity, etc.

*synonym*: isolate, protect, seclude

(1) **insulate** the room from sound, (2) **insulate** electricity

We had our bedroom **insulated** before winter came.

## undergo

*v.* to go through something unpleasant or that involves a change

*synonym*: experience, suffer, endure

(1) **undergo** surgery, (2) **undergo** a decrease

The train has to **undergo** rigorous safety checks.

## split

*v.* to divide, or to make something divide into two or more parts, especially along a particular line

*synonym*: break, divide, break apart



(1) **split** a bill, (2) **split** a reward equally

Companies often **split** their shares to lower the stock price and encourage investors to buy.

## exposed

*adj.* having no protection or shield from something, such as bad weather, attack, or criticism

*synonym*: endangered, revealed, disclosed

(1) **exposed** to radiation, (2) an **exposed** rock

Tech companies often employ **exposed** ducts and other materials in their office interiors.

## clump

*n.* a small group of bushes, trees, flowers, people, etc.

*synonym*: cluster, bunch, bundle

(1) **clump** of bacteria, (2) a **clump** of trees

I heard the **clump** of his boots in the hallway.

## react

*v.* to take action in response to something

*synonym*: respond, reply, oppose

(1) **react** at a high temperature, (2) **react** against his way of thinking

How did he **react** to your idea?

## hire

*v.* to give somebody a job

*synonym*: employ, engage, lease

(1) **hire** a guide, (2) **hire** a car by the hour

We should always be prepared to **hire** talented recruits.

## matchmake

*v.* to arrange or facilitate a romantic relationship or marriage between two people; to act as a matchmaker

*synonym*: arrange marriages, pair up, introduce people

(1) **matchmake** a couple, (2) **matchmake** people based on their interests

She tried to **matchmake** her two friends on a blind date, but it was a disaster.

## violent

*adj.* involving or caused by physical force or aggression against someone or something

*synonym* : aggressive, intense, turbulent

(1) victim of a **violent** crime, (2) **violent** incident

The protesters became **violent** when the police tried to disperse them.

## initial

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

*synonym* : basic, primary, beginning

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

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

## coordinate

*v.* to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree

*synonym* : organize, harmonize, ordinate

(1) **coordinate** a special project, (2) a **coordinate** clause

We want to **coordinate** a schedule for the investigation.

## catalyst

*n.* a person or thing that causes an important event to happen or changes the current situation rapidly; (chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself

*synonym* : accelerator, stimulant, motivation

(1) a **catalyst** in the process of hydrolysis, (2) **catalyst** for reform

The global financial crisis acted as a **catalyst** to unite the country.

## function

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

*synonym* : purpose, mapping, job

(1) **function** properly, (2) immune **function**

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

## **orient**

v. to position or adjust someone or something for a particular purpose; (noun) the countries of Asia  
*synonym*: position, align, adjust

(1) **orient** my thinking, (2) the exotic flavor of the **Orient**  
She took a moment to **orient** herself in the unfamiliar city.

## **accelerate**

v. to make something faster or earlier; to cause to develop or progress more quickly  
*synonym*: speed up, quicken, rev

(1) **accelerate** a chemical reaction, (2) **accelerate** the car  
The government tried to **accelerate** the commercialization of this development.

## Session 2: Spelling

- |  |   |
|--|---|
| 1. come into co_____on with my friend        | <i>n.</i> an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict         |
| 2. chaotic env_____nt                        | <i>n.</i> the natural world such as air, water, and land in which humans, animals, and plants live  |
| 3. an_____us fashion                         | <i>adj.</i> similar or equivalent in some respects, typically as a result of functioning in a similar way                                   |
| 4. a ch_____al compound                      | <i>adj.</i> relating to or connected with chemistry;  |
| 5. be in al_____nt                           | <i>n.</i> an arrangement in which two or more elements are placed in a straight line or parallel to each other                              |
| 6. sexual ori_____on                         | <i>n.</i> a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment |
| 7. ma_____ke people based on their interests | <i>v.</i> to arrange or facilitate a romantic relationship or marriage between two people; to act as a matchmaker                           |
| 8. high vo____e                              | <i>n.</i> the amount of space occupied by an object or substance; the magnitude of sound  |
| 9. professor of ch_____ry                    | <i>n.</i> the branch of the natural sciences dealing with the composition of substances and their properties and reactions                  |

ANSWERS: 1. collision, 2. environment, 3. analogous, 4. chemical, 5. alignment, 6. orientation, 7. matchmake, 8. volume, 9. chemistry

10. un\_\_\_\_\_o surgery *v.* to go through something unpleasant or that involves a change
11. charged pa\_\_\_\_\_le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
12. victim of a vi\_\_\_\_\_t crime *adj.* involving or caused by physical force or aggression against someone or something
13. the head of a ha\_\_\_\_\_y *n.* an interior passage or corridor onto which rooms open
14. extreme tem\_\_\_\_\_res *n.* the degree of hotness or coldness of a thing or place
15. co\_\_\_\_\_e in midair *v.* to hit something violently when moving
16. blood ve\_\_\_\_\_ls *n.* a ship or large boat
17. de\_\_\_\_\_e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
18. di\_\_\_\_\_e of a used product *v.* to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away
19. pa\_\_\_\_\_el processing *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
20. security in\_\_\_\_\_nt *n.* an event or occurrence, often unexpected or unplanned; something that happens

ANSWERS: 10. undergo, 11. particle, 12. violent, 13. hallway, 14. temperature, 15. collide, 16. vessel, 17. decide, 18. dispose, 19. parallel, 20. incident

21. the school ori\_\_\_\_\_on                      *n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment
22. sh\_\_\_k the tumor                              *v.* to become smaller, or to make something smaller in size or amount
23. pr\_\_\_\_\_e the amendment                      *v.* to make a proposal, declare a plan for something
24. fu\_\_\_\_\_on properly                              *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
25. pa\_\_\_\_\_le energy                              *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
26. ma\_\_\_\_\_ke a couple                              *v.* to arrange or facilitate a romantic relationship or marriage between two people; to act as a matchmaker
27. equ\_\_\_\_\_nt amounts                              *n.* having the same value, quality, meaning, purpose, etc.
28. traffic in\_\_\_\_\_nt                              *n.* an event or occurrence, often unexpected or unplanned; something that happens
29. pr\_\_\_\_\_e changes                              *v.* to make a proposal, declare a plan for something

ANSWERS: 21. orientation, 22. shrink, 23. propose, 24. function, 25. particle, 26. matchmake, 27. equivalent, 28. incident, 29. propose

30. na\_\_\_\_te the Pacific *v.* to plan and direct the way that a ship, plane, etc. will travel, often by using a map
31. po\_\_\_\_ly ask *adv.* in a courteous or respectful manner, showing good manners or consideration for others
32. imp\_\_\_\_\_ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation
33. an in\_\_\_\_l letter *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
34. mi\_\_\_\_e of emotions *n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties
35. naval ve\_\_\_\_ls *n.* a ship or large boat
36. be\_\_\_\_g to different species *v.* to be the property of someone or something; to be a member or part of a group; to be in the proper or appropriate place
37. wax a ha\_\_\_\_y floor *n.* an interior passage or corridor onto which rooms open
38. co\_\_\_\_\_on detection *n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict
39. jazz imp\_\_\_\_\_ion *n.* the act of making something up on the spot or creating or performing something without preparation

ANSWERS: 30. navigate, 31. politely, 32. improvisation, 33. initial, 34. mixture, 35. vessel, 36. belong, 37. hallway, 38. collision, 39. improvisation

40. my friend's cha\_\_\_\_\_tic laugh      *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
41. 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
42. vi\_\_\_\_\_t incident      *adj.* involving or caused by physical force or aggression against someone or something
43. di\_\_\_\_\_e battleships for a battle      *v.* to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away
44. un\_\_\_\_\_o a decrease      *v.* to go through something unpleasant or that involves a change
45. or\_\_\_\_t my thinking      *v.* to position or adjust someone or something for a particular purpose; (noun) the countries of Asia
46. a private ind\_\_\_\_\_al      *n.* a single person or thing, as distinct from a group
47. ind\_\_\_\_\_al freedom      *n.* a single person or thing, as distinct from a group
48. coo\_\_\_\_\_te a special project      *v.* to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree

ANSWERS: 40. characteristic, 41. process, 42. violent, 43. dispose, 44. undergo, 45. orient, 46. individual, 47. individual, 48. coordinate





58. fac\_\_\_\_\_te the process      *v.* to make something easier or more likely to happen
59. ex\_\_\_\_\_d to radiation      *adj.* having no protection or shield from something, such as bad weather, attack, or criticism
60. re\_\_\_\_\_ct the image      *v.* to remember or call to mind something from the past
61. vo\_\_\_\_e of work      *n.* the amount of space occupied by an object or substance; the magnitude of sound
62. a coo\_\_\_\_\_te clause      *v.* to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree
63. as far as I can re\_\_\_\_\_ct      *v.* to remember or call to mind something from the past
64. env\_\_\_\_\_nt affairs      *n.* the natural world such as air, water, and land in which humans, animals, and plants live
65. lik\_\_\_\_\_od of the success      *n.* the probability or chance that something will happen or be the case
66. toxic ch\_\_\_\_\_als      *adj.* relating to or connected with chemistry;
67. perfect mi\_\_\_\_\_e      *n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties
68. acc\_\_\_\_\_te a chemical reaction      *v.* to make something faster or earlier; to cause to develop or progress more quickly

ANSWERS: 58. facilitate, 59. exposed, 60. recollect, 61. volume, 62. coordinate, 63. recollect, 64. environment, 65. likelihood, 66. chemical, 67. mixture, 68. accelerate

69. in\_\_\_\_\_l velocity *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
70. a cl\_\_p of trees *n.* a small group of bushes, trees, flowers, people, etc.
71. sp\_\_t towards the finish line *v.* to run at full speed over a short distance or period of time
72. acc\_\_\_\_\_te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
73. h\_\_e a car by the hour *v.* to give somebody a job
74. a sq\_\_\_\_\_ly cut piece of paper *adv.* directly and firmly; in a square shape
75. be\_\_g to a group *v.* to be the property of someone or something; to be a member or part of a group; to be in the proper or appropriate place
76. cl\_\_p of bacteria *n.* a small group of bushes, trees, flowers, people, etc.
77. co\_\_\_\_\_e head-on *v.* to hit something violently when moving
78. al\_\_\_\_\_nt in an organization *n.* an arrangement in which two or more elements are placed in a straight line or parallel to each other
79. initial ve\_\_\_\_\_ty *n.* the rate of change of an object's position with respect to time, often measured in meters per second (m/s)
80. h\_\_e a guide *v.* to give somebody a job
81. engine con\_\_\_\_\_ion *n.* the arrangement or pattern of something or a group of related things

ANSWERS: 69. initial, 70. clump, 71. sprint, 72. accelerate, 73. hire, 74. squarely, 75. belong, 76. clump, 77. collide, 78. alignment, 79. velocity, 80. hire, 81. configuration

82. elevate edu\_\_\_\_\_al standards *adj.* relating to education or providing knowledge or instruction
83. sp\_\_t a reward equally *v.* to divide, or to make something divide into two or more parts, especially along a particular line
84. improve the lik\_\_\_\_\_od of a cure *n.* the probability or chance that something will happen or be the case
85. immune fu\_\_\_\_\_on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
86. con\_\_\_\_\_ion of the system *n.* the arrangement or pattern of something or a group of related things
87. entirely an\_\_\_\_\_us *adj.* similar or equivalent in some respects, typically as a result of functioning in a similar way
88. equ\_\_\_\_\_nt in meaning *n.* having the same value, quality, meaning, purpose, etc.
89. re\_\_t at a high temperature *v.* to take action in response to something
90. in\_\_\_\_\_te electricity *v.* to protect something by interposing material that prevents heat, noise, electricity, etc.
91. unb\_\_\_\_\_st to any of us *adv.* without the knowledge or awareness of someone; without someone's knowledge or participation

ANSWERS: 82. educational, 83. split, 84. likelihood, 85. function, 86. configuration, 87. analogous, 88. equivalent, 89. react, 90. insulate, 91. unbeknownst

92. ca\_\_\_\_st for reform *n.* a person or thing that causes an important event to happen or changes the current situation rapidly; (chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself
93. an ex\_\_\_\_d rock *adj.* having no protection or shield from something, such as bad weather, attack, or criticism
94. stripes cha\_\_\_\_\_tic of the zebra *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
95. re\_\_t against his way of thinking *v.* to take action in response to something
96. the ch\_\_\_\_\_ry of soil *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
97. trigger a re\_\_\_\_\_on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
98. a ca\_\_\_\_st in the process of hydrolysis *n.* a person or thing that causes an important event to happen or changes the current situation rapidly; (chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself
99. look sq\_\_\_\_\_ly at reality *adv.* directly and firmly; in a square shape
100. nodded po\_\_\_\_\_ly *adv.* in a courteous or respectful manner, showing good manners or consideration for others

ANSWERS: 92. catalyst, 93. exposed, 94. characteristic, 95. react, 96. chemistry, 97. reaction, 98. catalyst, 99. squarely, 100. politely

101. the atmospheric tem\_\_\_\_\_re      *n.* the degree of hotness or coldness of a thing or place
102. de\_\_\_e on a course of action      *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
103. fac\_\_\_\_\_te a smooth transition      *v.* to make something easier or more likely to happen
104. sp\_\_t a bill      *v.* to divide, or to make something divide into two or more parts, especially along a particular line
105. app\_\_\_\_\_te behavior      *adj.* suitable or proper in the circumstances; fitting
106. unb\_\_\_\_\_st to me      *adv.* without the knowledge or awareness of someone; without someone's knowledge or participation
107. na\_\_\_\_\_te through a document      *v.* to plan and direct the way that a ship, plane, etc. will travel, often by using a map
108. sp\_\_t for a bus      *v.* to run at full speed over a short distance or period of time

ANSWERS: 101. temperature, 102. decide, 103. facilitate, 104. split, 105. appropriate, 106. unbeknownst, 107. navigate, 108. sprint

## Session 3: Fill in the Blanks

1. It would be \_\_\_\_\_ to dress nicely for the wedding.  
*adj.* suitable or proper in the circumstances; fitting
  
2. The human heart is \_\_\_\_\_ to a pump in a plumbing system.  
*adj.* similar or equivalent in some respects, typically as a result of functioning in a similar way
  
3. Our knowledge helps \_\_\_\_\_ our clients successfully.  
*v.* to plan and direct the way that a ship, plane, etc. will travel, often by using a map
  
4. The interests of the two countries \_\_\_\_\_.  
*v.* to hit something violently when moving
  
5. All the books in this section \_\_\_\_\_ to the library's rare collection and must be handled carefully.  
*v.* to be the property of someone or something; to be a member or part of a group; to be in the proper or appropriate place
  
6. Bananas have their \_\_\_\_\_ taste and odor.  
*n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
  
7. The government tried to \_\_\_\_\_ the commercialization of this development.  
*v.* to make something faster or earlier; to cause to develop or progress more quickly

ANSWERS: 1. appropriate, 2. analogous, 3. navigate, 4. collide, 5. belong, 6. characteristic, 7. accelerate

8. I want to \_\_\_\_\_ a toast in honor of our longstanding relationship.  
*v.* to make a proposal, declare a plan for something
9. The \_\_\_\_\_ arrived in port the following day.  
*n.* a ship or large boat
10. He is familiar with \_\_\_\_\_ and biology.  
*n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
11. We must \_\_\_\_\_ address the problem.  
*adv.* directly and firmly; in a square shape
12. We can calculate the position of the \_\_\_\_\_ statistically.  
*n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
13. In the last century, Britain formed a strong \_\_\_\_\_ with Egypt.  
*n.* an arrangement in which two or more elements are placed in a straight line or parallel to each other
14. The global financial crisis acted as a \_\_\_\_\_ to unite the country.  
*n.* a person or thing that causes an important event to happen or changes the current situation rapidly; (chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself
15. Generally speaking, the child is innately \_\_\_\_\_ to learn a language.  
*v.* to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away

ANSWERS: 8. propose, 9. vessel, 10. chemistry, 11. squarely, 12. particles, 13. alignment, 14. catalyst, 15. disposed



16. She took a moment to \_\_\_\_\_ herself in the unfamiliar city.
- v.* to position or adjust someone or something for a particular purpose; (noun) the countries of Asia
17. He created a beautiful piece of music using only \_\_\_\_\_.
- n.* the act of making something up on the spot or creating or performing something without preparation
18. The \_\_\_\_\_ at the airport caused a delay in my flight.
- n.* an event or occurrence, often unexpected or unplanned; something that happens
19. They took the \_\_\_\_\_ step toward reconciliation.
- adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
20. The firm has grown into a large \_\_\_\_\_ manufacturing.
- adj.* relating to or connected with chemistry;
21. How did he \_\_\_\_\_ to your idea?
- v.* to take action in response to something
22. The train has to \_\_\_\_\_ rigorous safety checks.
- v.* to go through something unpleasant or that involves a change
23. I heard the \_\_\_\_\_ of his boots in the hallway.
- n.* a small group of bushes, trees, flowers, people, etc.
24. The \_\_\_\_\_ of tectonic plates can result in new mountain ranges, such as the Himalayas or the Alps.
- n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict

ANSWERS: 16. orient, 17. improvisation, 18. incident, 19. initial, 20. chemical, 21. react, 22. undergo, 23. clump, 24. collision

25. Every human is responsible for taking care of the Earth's \_\_\_\_\_.
- n.* the natural world such as air, water, and land in which humans, animals, and plants live
26. The European Central Bank is Europe's \_\_\_\_\_ of the Federal Reserve.
- n.* having the same value, quality, meaning, purpose, etc.
27. Top athletes can \_\_\_\_\_ 100 meters in less than 10 seconds.
- v.* to run at full speed over a short distance or period of time
28. This shirt will \_\_\_\_\_ in the wash.
- v.* to become smaller, or to make something smaller in size or amount
29. The protesters became \_\_\_\_\_ when the police tried to disperse them.
- adj.* involving or caused by physical force or aggression against someone or something
30. She tried to \_\_\_\_\_ her two friends on a blind date, but it was a disaster.
- v.* to arrange or facilitate a romantic relationship or marriage between two people; to act as a matchmaker
31. 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
32. We had our bedroom \_\_\_\_\_ before winter came.
- v.* to protect something by interposing material that prevents heat, noise, electricity, etc.

ANSWERS: 25. environment, 26. equivalent, 27. sprint, 28. shrink, 29. violent, 30. matchmake, 31. process, 32. insulated

33. This container has a \_\_\_\_\_ of 10 cubic meters.
- n.* the amount of space occupied by an object or substance; the magnitude of sound
34. We want to \_\_\_\_\_ a schedule for the investigation.
- v.* to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree
35. The \_\_\_\_\_ of the car was too fast for the road conditions.
- n.* the rate of change of an object's position with respect to time, often measured in meters per second (m/s)
36. \_\_\_\_\_ to the family, the treasure had been hidden in the attic for years.
- adv.* without the knowledge or awareness of someone; without someone's knowledge or participation
37. She couldn't \_\_\_\_\_ whether to order the pizza or the pasta for dinner.
- v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
38. There was a chemical \_\_\_\_\_ of the lime with the groundwater.
- n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
39. He walked a road \_\_\_\_\_ to the railroad.
- adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
40. Companies often \_\_\_\_\_ their shares to lower the stock price and encourage investors to buy.
- v.* to divide, or to make something divide into two or more parts, especially along a particular line

ANSWERS: 33. volume, 34. coordinate, 35. velocity, 36. Unbeknownst, 37. decide, 38. reaction, 39. parallel, 40. split

41. The paint was a \_\_\_\_\_ of different pigments to achieve the desired color.
- n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties
42. Tech companies often employ \_\_\_\_\_ ducts and other materials in their office interiors.
- adj.* having no protection or shield from something, such as bad weather, attack, or criticism
43. The company implemented a new software system to \_\_\_\_\_ employee communication and collaboration.
- v.* to make something easier or more likely to happen
44. The brain is an incredibly complex organ that controls the body's \_\_\_\_\_.
- n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
45. The \_\_\_\_\_ of molecules in steel changes significantly with temperature.
- n.* the arrangement or pattern of something or a group of related things
46. She closed her eyes and tried to \_\_\_\_\_ her thoughts before the meeting.
- v.* to remember or call to mind something from the past
47. Cities around the world set records for highest \_\_\_\_\_ this summer.
- n.* the degree of hotness or coldness of a thing or place

ANSWERS: 41. mixture, 42. exposed, 43. facilitate, 44. function, 45. configuration, 46. recollect, 47. temperatures

48. The \_\_\_\_\_ of the project being completed on time is uncertain.  
*n.* the probability or chance that something will happen or be the case
49. He dashed down a \_\_\_\_\_ to a bathroom.  
*n.* an interior passage or corridor onto which rooms open
50. She \_\_\_\_\_ declined the invitation to the party, saying she had other plans.  
*adv.* in a courteous or respectful manner, showing good manners or consideration for others
51. As an \_\_\_\_\_ he had the right to make his own decisions and live his life as he saw fit.  
*n.* a single person or thing, as distinct from a group
52. The museum offers a variety of \_\_\_\_\_ programs for children and adults.  
*adj.* relating to education or providing knowledge or instruction
53. There will be an \_\_\_\_\_ lecture for new students this afternoon.  
*n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment
54. We should always be prepared to \_\_\_\_\_ talented recruits.  
*v.* to give somebody a job

ANSWERS: 48. likelihood, 49. hallway, 50. politely, 51. individual, 52. educational, 53. orientation, 54. hire