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Edsel Salvaña: The dangerous evolution of HIV | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

idyllic

adj. pertaining to an idealized or picturesque version of rural life; blissfully serene, pleasingly perfect, or charmingly simple

synonym: picturesque, pastoral, scenic

(1) **idyllic** setting, (2) **idyllic** vacation

The village was known for its **idyllic** way of life and picturesque scenery.

planet

n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

synonym: earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**

Mercury is the closest **planet** to the sun.

epicenter

n. the point on the earth's surface directly above the focus of an earthquake

synonym: ground zero, focus, center

(1) the **epicenter** of the sports world, (2) **epicenter** magnitude

The **epicenter** of the earthquake was located deep beneath the earth's surface.

epidemic

n. the widespread outbreak of a particular disease in a large number of people at the same time

synonym: outbreak, contagion, plague

(1) a worldwide **epidemic**, (2) health **epidemic**

The disease is now reaching **epidemic** proportions in our country.

bloom

n. a flower, especially one having showy or colorful parts; the best time of youth

synonym: blossom, flush, flower

(1) **bloom** in autumn, (2) black-and-white **blooms**

The cherry blossoms in the park were in full **bloom**.

complicated

adj. involving a lot of different things or parts in a way that is difficult to understand or analyze

synonym: complex, convoluted, intricate

(1) a **complicated** process, (2) become increasingly **complicated**

He did **complicated** pen-and-ink drawings in just a few days.

foreshadow

v. to give a hint or indication of something that will happen or develop in the future

synonym: predict, hint at, suggest

(1) **foreshadow** future events, (2) **foreshadow** the recession

The dark clouds **foreshadowed** a storm.

resurgence

n. the return or growth of something after a period of decline or disappearance

synonym: revival, recovery, rejuvenation

(1) **resurgence** in popularity, (2) **resurgence** of exports

After years of decline, the city is experiencing a **resurgence** in economic growth.

trend

n. a general direction in which something is changing or developing

synonym: direction, movement, tendency

(1) an international **trend**, (2) the **trend** away from television
The oil price continued their downward **trend**.

aggressive

adj. behaving in an angry, energetic, or threatening way
towards another person; tending to spread quickly
synonym : assertive, combative, threatening

(1) an **aggressive** war, (2) an **aggressive** tumor
An **aggressive** tide wrecked the ship.

resistant

adj. not affected by something, especially changes or new
ideas; of or relating to immunity to disease or infection
synonym : unsusceptible, immune, invulnerable

(1) penicillin- **resistant** bacteria, (2) **resistant** to persuasion
Insects in urban areas are becoming **resistant** to
insecticides.

virus

n. a tiny infectious organic material that causes disease in
people, animals, and plants
synonym : bacterium, germ, ailment

(1) spread of the **virus**, (2) a strain of **virus**
An infected person in the hospital will likely pass the **virus** to
others.

transform

v. to change in outward structure or looks;
synonym : alter, convert, change

(1) **transform** an education system, (2) **transform** heat into
power
My father's death **transformed** my life completely.

infect

v. to affect a person, an animal, or a plant with a
disease-causing organism
synonym : pollute, contaminate, affect

(1) **infect** other animal species, (2) **infect** a computer with a
virus
Children often **infect** parents with this head cold.

remarkable

adj. worthy of attention because unusual or special

synonym: outstanding, exceptional, extraordinary

(1) **remarkable** achievement, (2) the **remarkable** breadth of knowledge

The election was a **remarkable** success for the Whigs.

progression

n. the act or process of changing to the next stage or phase or moving forward

synonym: advancement, development, evolution

(1) **progression** of civilization, (2) **progression** of disease

The company has made great strides in its **progression** toward sustainability.

reverse

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

synonym: overturn, shift, switch

(1) **reverse** the trend, (2) **reverse** the order

The restaurant **reversed** a ban on smoking.

viral

adj. relating to or caused by a virus

(1) fight **viral** infections, (2) detect a **viral** code

This device can more accurately detect **viral** pathogens.

mutation

n. the way in which genes of a person, plant, animal, or other organism change and produce permanent differences

synonym: metamorphosis, transformation, alteration

(1) **mutation** of DNA, (2) hereditary **mutation**

Radiation often promotes genetic **mutations** in plants and animals.

disaster

n. an unexpected event or series of events that cause widespread damage, destruction, or loss of life

synonym: catastrophe, calamity, tragedy

(1) global **disaster**, (2) **disaster** recovery

The **disaster** response team worked around the clock to aid those affected by the earthquake.

appreciate

v. to value and acknowledge the worth of someone or something; to be grateful for something or someone

synonym: acknowledge, admire, enjoy

(1) **appreciate** her feedback, (2) **appreciate** the value

We would **appreciate** an early reply.

profound

adj. extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

synonym: deep, unsounded, far-reaching

(1) a **profound** book, (2) the **profound** depths of the sea

My mother's illness had a **profound** impact on us all.

reproduce

v. to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process

synonym: duplicate, breed, imitate

(1) **reproduce** the painting, (2) **reproduce** by myself

By dividing and creating copies of themselves, bacteria

reproduce.

genetic

adj. of or relating to genes (= parts of the DNA in cells) or the science of genes

synonym: hereditary, genetical, inborn

(1) have **genetic** testing, (2) a **genetic** disorder

Understanding protein folding is a vital step in deciphering the **genetic** code.

comparison

n. the consideration or examination of the similarities between two or more people or things

synonym: equivalence, analogy, contrast

(1) ease of **comparison**, (2) **comparison** of foods on a caloric basis

I've included the two designs for a **comparison**.

variation

n. the act or state of changing; a difference or change in the way something is done, made or said

synonym: fluctuation, change, variation

(1) **variation** of temperature, (2) gene **variation**

There is a lot of **variation** in the colors of flowers in the garden.

continent

n. one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex

synonym: landmass, (adjective) chaste, (adjective) pure

(1) the inland of a **continent**, (2) **continent** urinary diversion

Flight across the **continent** was a daring adventure in its day.

ape

n. a large animal with long arms, no tail, and usually a lot of body hair, including gorillas, chimpanzees, orangutans, and gibbons

synonym: monkey, primate, simian

(1) jungle **ape**, (2) play the **ape**

The scientist studied the behavior of **apes** in the wild.

rhesus

n. a type of macaque monkey (any of the various short-tailed monkeys found in Asia and Africa) often used in scientific research

synonym: macaca mulatta, macaque

(1) **Rhesus** macaque, (2) **rhesus** experiment

Rhesus monkeys are known for their intelligence and adaptability in captivity.

macaque

n. any of the various short-tailed monkeys found in Asia and Africa, typically living in large groups and known for their intelligence and adaptability

synonym: macaca, macaca monkey

(1) **macaque** monkey, (2) **macaque** species

The rhesus **macaque** is one of the biomedical research's most widely used animal models.

contrast

v. to put in opposition to show or emphasize differences
synonym: differ, vary, counterpoint

(1) **contrast** with a decade ago, (2) **contrast** two things
It's intriguing to compare and **contrast** the two authors.

subtype

n. a type that is a subdivision of a more general type; a subdivision of a type of microorganism

synonym: subdivision

(1) tumor **subtype**, (2) avian influenza **subtype**

Scientists have classified the currently prevalent viruses into **subtypes** to develop a highly effective vaccine.

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.

subsequent

adj. happening or occurring later or after something else

synonym: later, following, ensuing

(1) over **subsequent** months, (2) reduce **subsequent** mortality

In the **subsequent** meeting, the team discussed ways to improve productivity.

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.

gorilla

n. a large, powerful, and intelligent primate found in the forests of central Africa, with coarse black or brown fur and a distinctive face

synonym: ape, chimpanzee, orangutan

(1) **gorilla** habitat, (2) endangered **gorilla**

The **gorilla** at the zoo impressed visitors with its size and strength.

chimpanzee

n. a small, very intelligent ape found in west and central Africa with black or brown fur

synonym: ape, chimp, pan troglodytes

(1) **chimpanzee** behavior, (2) **chimpanzee** society

Many zoos have **chimpanzee** exhibits, allowing visitors to observe these intelligent primates up close.

orangutan

n. a large long-armed ape with red-brown hair that lives in Borneo and Sumatra and has arboreal habits

(1) **orangutan** arm, (2) female **orangutan**

The researcher found new species of **orangutan** on the island.

baboon

n. a large monkey with a dog-like snout and a long, curved tail found in Africa and Arabia

synonym: monkey, ape, primate

(1) wild **baboon**, (2) **baboon** habitat

While on safari, we saw a troop of **baboons** roaming through the grasslands.

random

adj. made, done, or happening without method, conscious decision, or any regular pattern

synonym: incidental, arbitrary, unanticipated

(1) a **random** choice, (2) bombs fell at **random**

To find drunk drivers, police conduct **random** tests.

lifetime

n. the duration of someone's life or something's existence;

synonym: lifespan, duration

(1) **lifetime** benefits, (2) **lifetime** ban from the sport

She had lived through two world wars in her **lifetime**.

discovery

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

synonym : finding, uncovering, detection

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

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

regularly

adv. at regular intervals or times

synonym : repeatedly, routinely, usually

(1) **regularly** arranged, (2) post **regularly** to a blog

This site **regularly** shares high-quality academic materials.

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.

shift

n. a slight transition in position, direction, or trend

synonym : transition, change, modification

(1) Doppler **shift**, (2) major paradigm **shift**

Could you help me **shift** some furniture?

resistance

n. the act of defending oneself from an aggressor or refusing to accept something

synonym : opposition, antagonism, defiance

(1) **resistance** movement, (2) **resistance** to insulin

The bill to increase the consumption tax had passed despite much **resistance** from the public.

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.

encroachment

n. an act of moving or advancing into someone else's territory or area of control; an invasion or infringement upon someone else's rights or interests

synonym : invasion, intrusion, trespass

(1) **encroachment** of territory, (2) **encroachment** on personal rights

The **encroachment** of the new housing development on the wildlife habitat caused concern among environmentalists.

statistics

n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

tide

n. the cyclical rise and fall of sea level caused by the moon's gravitational pull

synonym : ripple, surge, swell

(1) **tide** cycle, (2) ride the **tide** of change

Red **tide** is often harmful to the local ecosystem.

malaria

n. a severe disease caused by a parasite that is spread by the bite of an infected mosquito

(1) **malaria** mosquitoes, (2) **malaria-endemic** area

Many people in tropical countries die from **malaria** every year.

government

n. the group of people with authority to control a country or state

synonym : administration, regime, state

(1) **government** bureaucracy, (2) **government** funding

The federal **government** is planning to increase taxes for the

next fiscal year.

evolve

v. to develop gradually, or to cause the development of something or someone gradually

synonym: develop, mature, grow

(1) **evolve**, (2) **evolve** over the past decade

Eyeless fish **evolved** in dark caves.

incorporate

v. to include something as a part of a larger entity

synonym: contain, integrate, amalgamate

(1) **incorporate** the current trends, (2) **incorporate** technology into daily life

We will attempt to **incorporate** some of your suggestions into our future strategy.

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.

strain

n. a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups

synonym: pressure, tension, breed

(1) **strain** our eyes, (2) a **strain** of bacillus

Dictators of the past often had the erroneous idea of a pure racial **strain**.

urgent

adj. requiring immediate attention or action; pressing

synonym: pressing, critical, immediate

(1) an **urgent** telegram, (2) **urgent** situation

It is **urgent** that we leave for the airport now to catch our flight.

convince

v. to persuade someone or make someone believe that something is true

synonym: persuade, win over, convert

(1) **convince** her to go with us, (2) **convince** an opponent
I am considering what I should do to **convince** him.

verge

n. the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border

synonym: brink, edge, margin

(1) **verge** of bankruptcy, (2) on the **verge** of tears
He stood on the **verge** of a major discovery.

vigilant

adj. keeping careful watch for possible danger or difficulties

synonym: watchful, attentive, alert

(1) **vigilant** watch, (2) **vigilant** about hand-washing

The guards had to remain **vigilant** to ensure the safety of the high-security facility.

Session 2: Spelling

1. pro_____on of disease *n.* the act or process of changing to the next stage or phase or moving forward
2. tumor su_____e *n.* a type that is a subdivision of a more general type; a subdivision of a type of microorganism
3. a st____n of bacillus *n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups
4. an agg_____ve war *adj.* behaving in an angry, energetic, or threatening way towards another person; tending to spread quickly
5. app_____te the value *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
6. the rem_____le breadth of knowledge *adj.* worthy of attention because unusual or special
7. ride the t____e of change *n.* the cyclical rise and fall of sea level caused by the moon's gravitational pull
8. a ge_____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
9. the inland of a co_____nt *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex

ANSWERS: 1. progression, 2. subtype, 3. strain, 4. aggressive, 5. appreciate, 6. remarkable, 7. tide, 8. genetic, 9. continent

10. enc_____ent on personal rights *n.* an act of moving or advancing into someone else's territory or area of control; an invasion or infringement upon someone else's rights or interests
11. gov_____nt funding *n.* the group of people with authority to control a country or state
12. equ_____nt amounts *n.* having the same value, quality, meaning, purpose, etc.
13. reduce sub_____nt mortality *adj.* happening or occurring later or after something else
14. ease of com_____on *n.* the consideration or examination of the similarities between two or more people or things
15. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
16. re_____e the order *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
17. jungle a_e *n.* a large animal with long arms, no tail, and usually a lot of body hair, including gorillas, chimpanzees, orangutans, and gibbons
18. ve__e of bankruptcy *n.* the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border

ANSWERS: 10. encroachment, 11. government, 12. equivalent, 13. subsequent, 14. comparison, 15. discovery, 16. reverse, 17. ape, 18. verge

19. endangered go_____a *n.* a large, powerful, and intelligent primate found in the forests of central Africa, with coarse black or brown fur and a distinctive face
20. 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
21. go_____a habitat *n.* a large, powerful, and intelligent primate found in the forests of central Africa, with coarse black or brown fur and a distinctive face
22. tr_____m an education system *v.* to change in outward structure or looks;
23. rh___s experiment *n.* a type of macaque monkey (any of the various short-tailed monkeys found in Asia and Africa) often used in scientific research
24. co_____nt urinary diversion *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
25. inc_____te technology into daily life *v.* to include something as a part of a larger entity
26. ba___n habitat *n.* a large monkey with a dog-like snout and a long, curved tail found in Africa and Arabia
27. bombs fell at ra___m *adj.* made, done, or happening without method, conscious decision, or any regular pattern

ANSWERS: 19. gorilla, 20. develop, 21. gorilla, 22. transform, 23. rhesus, 24. continent, 25. incorporate, 26. baboon, 27. random

28. re_____e the trend *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
29. in____t a computer with a virus *v.* to affect a person, an animal, or a plant with a disease-causing organism
30. pro_____on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
31. an ur____t telegram *adj.* requiring immediate attention or action; pressing
32. hereditary mu_____on *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
33. 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
34. tr_____rm heat into power *v.* to change in outward structure or looks;
35. co_____st two things *v.* to put in opposition to show or emphasize differences
36. ma_____e species *n.* any of the various short-tailed monkeys found in Asia and Africa, typically living in large groups and known for their intelligence and adaptability
37. app_____te her feedback *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
38. a strain of vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants

ANSWERS: 28. reverse, 29. infect, 30. progression, 31. urgent, 32. mutation, 33. patient, 34. transform, 35. contrast, 36. macaque, 37. appreciate, 38. virus

39. vi_____nt about hand-washing *adj.* keeping careful watch for possible danger or difficulties
40. Rh____s macaque *n.* a type of macaque monkey (any of the various short-tailed monkeys found in Asia and Africa) often used in scientific research
41. in____t other animal species *v.* to affect a person, an animal, or a plant with a disease-causing organism
42. re_____nt to persuasion *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
43. major paradigm sh__t *n.* a slight transition in position, direction, or trend
44. a pr_____nd book *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
45. gene va_____on *n.* the act or state of changing; a difference or change in the way something is done, made or said
46. save the pl____t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
47. or_____an arm *n.* a large long-armed ape with red-brown hair that lives in Borneo and Sumatra and has arboreal habits
48. mu_____on of DNA *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences

ANSWERS: 39. vigilant, 40. rhesus, 41. infect, 42. resistant, 43. shift, 44. profound, 45. variation, 46. planet, 47. orangutan, 48. mutation

49. post re_____ly to a blog *adv.* at regular intervals or times
50. va_____on of temperature *n.* the act or state of changing; a difference or change in the way something is done, made or said
51. become increasingly com_____ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
52. de____t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
53. di_____er recovery *n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
54. a ra____m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern
55. the ep_____er of the sports world *n.* the point on the earth's surface directly above the focus of an earthquake
56. id_____c setting *adj.* pertaining to an idealized or picturesque version of rural life; blissfully serene, pleasingly perfect, or charmingly simple
57. enc_____ent of territory *n.* an act of moving or advancing into someone else's territory or area of control; an invasion or infringement upon someone else's rights or interests
58. for_____ow future events *v.* to give a hint or indication of something that will happen or develop in the future
59. st____n our eyes *n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups

ANSWERS: 49. regularly, 50. variation, 51. complicated, 52. detect, 53. disaster, 54. random, 55. epicenter, 56. idyllic, 57. encroachment, 58. foreshadow, 59. strain

60. bl__m in autumn *n.* a flower, especially one having showy or colorful parts; the best time of youth
61. official sta_____cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
62. a worldwide ep_____ic *n.* the widespread outbreak of a particular disease in a large number of people at the same time
63. for_____ow the recession *v.* to give a hint or indication of something that will happen or develop in the future
64. id_____c vacation *adj.* pertaining to an idealized or picturesque version of rural life; blissfully serene, pleasingly perfect, or charmingly simple
65. an agg_____ve tumor *adj.* behaving in an angry, energetic, or threatening way towards another person; tending to spread quickly
66. health ep_____ic *n.* the widespread outbreak of a particular disease in a large number of people at the same time
67. spread of the vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
68. res_____ce movement *n.* the act of defending oneself from an aggressor or refusing to accept something
69. gov_____nt bureaucracy *n.* the group of people with authority to control a country or state
70. Doppler sh__t *n.* a slight transition in position, direction, or trend

ANSWERS: 60. bloom, 61. statistics, 62. epidemic, 63. foreshadow, 64. idyllic, 65. aggressive, 66. epidemic, 67. virus, 68. resistance, 69. government, 70. shift

71. female or_____an *n.* a large long-armed ape with red-brown hair that lives in Borneo and Sumatra and has arboreal habits
72. a scientific di_____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
73. fight vi__l infections *adj.* relating to or caused by a virus
74. ma_____a-endemic area *n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
75. have ge_____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
76. chi_____ee behavior *n.* a small, very intelligent ape found in west and central Africa with black or brown fur
77. chi_____ee society *n.* a small, very intelligent ape found in west and central Africa with black or brown fur
78. inc_____te the current trends *v.* to include something as a part of a larger entity
79. res_____ce of exports *n.* the return or growth of something after a period of decline or disappearance
80. ep_____er magnitude *n.* the point on the earth's surface directly above the focus of an earthquake
81. re_____ce by myself *v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process

ANSWERS: 71. orangutan, 72. discovery, 73. viral, 74. malaria, 75. genetic, 76. chimpanzee, 77. chimpanzee, 78. incorporate, 79. resurgence, 80. epicenter, 81. reproduce

82. black-and-white bl__ms *n.* a flower, especially one having showy or colorful parts; the best time of youth
83. over sub_____nt months *adj.* happening or occurring later or after something else
84. the pr_____nd depths of the sea *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
85. com_____on of foods on a caloric basis *n.* the consideration or examination of the similarities between two or more people or things
86. global di_____er *n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
87. the tr__d away from television *n.* a general direction in which something is changing or developing
88. an international tr__d *n.* a general direction in which something is changing or developing
89. re_____ly arranged *adv.* at regular intervals or times
90. equ_____nt in meaning *n.* having the same value, quality, meaning, purpose, etc.
91. 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
92. play the a_e *n.* a large animal with long arms, no tail, and usually a lot of body hair, including gorillas, chimpanzees, orangutans, and gibbons

ANSWERS: 82. bloom, 83. subsequent, 84. profound, 85. comparison, 86. disaster, 87. trend, 88. trend, 89. regularly, 90. equivalent, 91. develop, 92. ape

93. ev___e over the past decade
v. to develop gradually, or to cause the development of something or someone gradually
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. a com_____ed process
adj. involving a lot of different things or parts in a way that is difficult to understand or analyze
96. ma_____e monkey
n. any of the various short-tailed monkeys found in Asia and Africa, typically living in large groups and known for their intelligence and adaptability
97. vi_____nt watch
adj. keeping careful watch for possible danger or difficulties
98. li_____me benefits
n. the duration of someone's life or something's existence;
99. ma_____a mosquitoes
n. a severe disease caused by a parasite that is spread by the bite of an infected mosquito
100. sta_____cs for cancer
n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
101. res_____ce in popularity
n. the return or growth of something after a period of decline or disappearance
102. in_____l velocity
adj. of or happening at the beginning; (noun) the first letter of a word, especially a person's name

ANSWERS: 93. evolve, 94. patient, 95. complicated, 96. macaque, 97. vigilant, 98. lifetime, 99. malaria, 100. statistics, 101. resurgence, 102. initial

103. on the ve__e of tears *n.* the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border
104. rem_____le achievement *adj.* worthy of attention because unusual or special
105. ur___t situation *adj.* requiring immediate attention or action; pressing
106. wild ba___n *n.* a large monkey with a dog-like snout and a long, curved tail found in Africa and Arabia
107. co_____ce her to go with us *v.* to persuade someone or make someone believe that something is true
108. pl___t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
109. ev___e *v.* to develop gradually, or to cause the development of something or someone gradually
110. li_____me ban from the sport *n.* the duration of someone's life or something's existence;
111. de___t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
112. co_____st with a decade ago *v.* to put in opposition to show or emphasize differences
113. detect a vi__l code *adj.* relating to or caused by a virus

ANSWERS: 103. verge, 104. remarkable, 105. urgent, 106. baboon, 107. convince, 108. planet, 109. evolve, 110. lifetime, 111. detect, 112. contrast, 113. viral

114. an in_____l letter *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
115. penicillin-re_____nt bacteria *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
116. res_____ce to insulin *n.* the act of defending oneself from an aggressor or refusing to accept something
117. co_____ce an opponent *v.* to persuade someone or make someone believe that something is true
118. t__e cycle *n.* the cyclical rise and fall of sea level caused by the moon's gravitational pull
119. re_____ce the painting *v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
120. avian influenza su_____e *n.* a type that is a subdivision of a more general type; a subdivision of a type of microorganism

ANSWERS: 114. initial, 115. resistant, 116. resistance, 117. convince, 118. tide, 119. reproduce, 120. subtype

Session 3: Fill in the Blanks

1. This device can more accurately detect _____ pathogens.
adj. relating to or caused by a virus
2. The bill to increase the consumption tax had passed despite much _____ from the public.
n. the act of defending oneself from an aggressor or refusing to accept something
3. Scientists have classified the currently prevalent viruses into _____ to develop a highly effective vaccine.
n. a type that is a subdivision of a more general type; a subdivision of a type of microorganism
4. By dividing and creating copies of themselves, bacteria _____.
v. to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
5. The rhesus _____ is one of the biomedical research's most widely used animal models.
n. any of the various short-tailed monkeys found in Asia and Africa, typically living in large groups and known for their intelligence and adaptability
6. The guards had to remain _____ to ensure the safety of the high-security facility.
adj. keeping careful watch for possible danger or difficulties
7. The _____ response team worked around the clock to aid those affected by the earthquake.
n. an unexpected event or series of events that cause widespread damage, destruction, or loss of life

ANSWERS: 1. viral, 2. resistance, 3. subtypes, 4. reproduce, 5. macaque, 6. vigilant, 7. disaster

8. The scientist studied the behavior of _____ in the wild.
- n.* a large animal with long arms, no tail, and usually a lot of body hair, including gorillas, chimpanzees, orangutans, and gibbons
9. The disease is now reaching _____ proportions in our country.
- n.* the widespread outbreak of a particular disease in a large number of people at the same time
10. She had lived through two world wars in her _____.
- n.* the duration of someone's life or something's existence;
11. Mercury is the closest _____ to the sun.
- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
12. Could you help me _____ some furniture?
- n.* a slight transition in position, direction, or trend
13. We will attempt to _____ some of your suggestions into our future strategy.
- v.* to include something as a part of a larger entity
14. The _____ of the new housing development on the wildlife habitat caused concern among environmentalists.
- n.* an act of moving or advancing into someone else's territory or area of control; an invasion or infringement upon someone else's rights or interests
15. Children often _____ parents with this head cold.
- v.* to affect a person, an animal, or a plant with a disease-causing organism

ANSWERS: 8. apes, 9. epidemic, 10. lifetime, 11. planet, 12. shift, 13. incorporate, 14. encroachment, 15. infect

16. The oil price continued their downward _____.

n. a general direction in which something is changing or developing

17. The restaurant _____ a ban on smoking.

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

18. There is a lot of _____ in the colors of flowers in the garden.

n. the act or state of changing; a difference or change in the way something is done, made or said

19. To find drunk drivers, police conduct _____ tests.

adj. made, done, or happening without method, conscious decision, or any regular pattern

20. He did _____ pen-and-ink drawings in just a few days.

adj. involving a lot of different things or parts in a way that is difficult to understand or analyze

21. Eyeless fish _____ in dark caves.

v. to develop gradually, or to cause the development of something or someone gradually

22. An infected person in the hospital will likely pass the _____ to others.

n. a tiny infectious organic material that causes disease in people, animals, and plants

23. Red _____ is often harmful to the local ecosystem.

n. the cyclical rise and fall of sea level caused by the moon's gravitational pull

ANSWERS: 16. trend, 17. reversed, 18. variation, 19. random, 20. complicated, 21. evolved, 22. virus, 23. tide

24. While on safari, we saw a troop of _____ roaming through the grasslands.
n. a large monkey with a dog-like snout and a long, curved tail found in Africa and Arabia
25. The European Central Bank is Europe's _____ of the Federal Reserve.
n. having the same value, quality, meaning, purpose, etc.
26. The village was known for its _____ way of life and picturesque scenery.
adj. pertaining to an idealized or picturesque version of rural life; blissfully serene, pleasingly perfect, or charmingly simple
27. The election was a _____ success for the Whigs.
adj. worthy of attention because unusual or special
28. This site _____ shares high-quality academic materials.
adv. at regular intervals or times
29. Radiation often promotes genetic _____ in plants and animals.
n. the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
30. My father's death _____ my life completely.
v. to change in outward structure or looks;
31. It's intriguing to compare and _____ the two authors.
v. to put in opposition to show or emphasize differences
32. The security camera has _____ four intruders.
v. to find or recognize something, especially something difficult to see, hear, etc.

ANSWERS: 24. baboons, 25. equivalent, 26. idyllic, 27. remarkable, 28. regularly, 29. mutations, 30. transformed, 31. contrast, 32. detected

33. I've included the two designs for a _____.
- n.* the consideration or examination of the similarities between two or more people or things
34. After years of decline, the city is experiencing a _____ in economic growth.
- n.* the return or growth of something after a period of decline or disappearance
35. Many people in tropical countries die from _____ every year.
- n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
36. It is _____ that we leave for the airport now to catch our flight.
- adj.* requiring immediate attention or action; pressing
37. I am considering what I should do to _____ him.
- v.* to persuade someone or make someone believe that something is true
38. Understanding protein folding is a vital step in deciphering the _____ code.
- adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
39. An _____ tide wrecked the ship.
- adj.* behaving in an angry, energetic, or threatening way towards another person; tending to spread quickly
40. The cherry blossoms in the park were in full _____.
- n.* a flower, especially one having showy or colorful parts; the best time of youth
41. The _____ at the zoo impressed visitors with its size and strength.
- n.* a large, powerful, and intelligent primate found in the forests of central Africa, with coarse black or brown fur and a distinctive face

ANSWERS: 33. comparison, 34. resurgence, 35. malaria, 36. urgent, 37. convince, 38. genetic, 39. aggressive, 40. bloom, 41. gorilla

42. My mother's illness had a _____ impact on us all.

adj. extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

43. The dark clouds _____ a storm.

v. to give a hint or indication of something that will happen or develop in the future

44. The federal _____ is planning to increase taxes for the next fiscal year.

n. the group of people with authority to control a country or state

45. Many zoos have _____ exhibits, allowing visitors to observe these intelligent primates up close.

n. a small, very intelligent ape found in west and central Africa with black or brown fur

46. In the _____ meeting, the team discussed ways to improve productivity.

adj. happening or occurring later or after something else

47. We would _____ an early reply.

v. to value and acknowledge the worth of someone or something; to be grateful for something or someone

48. Her research team made an important _____.

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

49. He stood on the _____ of a major discovery.

n. the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border

ANSWERS: 42. profound, 43. foreshadowed, 44. government, 45. chimpanzee, 46. subsequent, 47. appreciate, 48. discovery, 49. verge

50. 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

51. The researcher found new species of _____ on the island.

n. a large long-armed ape with red-brown hair that lives in Borneo and Sumatra and has arboreal habits

52. The _____ demonstrate that poverty and unemployment are genuine problems.

n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

53. 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

54. _____ monkeys are known for their intelligence and adaptability in captivity.

n. a type of macaque monkey (any of the various short-tailed monkeys found in Asia and Africa) often used in scientific research

55. Dictators of the past often had the erroneous idea of a pure racial _____.

n. a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups

56. 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

ANSWERS: 50. initial, 51. orangutan, 52. statistics, 53. patient's, 54. Rhesus, 55. strain, 56. develop

57. Insects in urban areas are becoming _____ to insecticides.

adj. not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection

58. Flight across the _____ was a daring adventure in its day.

n. one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex

59. The _____ of the earthquake was located deep beneath the earth's surface.

n. the point on the earth's surface directly above the focus of an earthquake

60. The company has made great strides in its _____ toward sustainability.

n. the act or process of changing to the next stage or phase or moving forward

ANSWERS: 57. resistant, 58. continent, 59. epicenter, 60. progression