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Stewart Brand: The dawn of de-extinction. Are you ready? | TED Talk

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Advanced Words Only

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Session 1: Word List

pigeon

n. a stout-bodied bird with a small head, short legs, and a short, cooing call, typically found in cities and domesticated for food

(1) a racing **pigeon**, (2) **pigeon** on the roof

The **pigeon** perched on the windowsill, pecking at the bread crumbs left for it.

tempest

n. a severe or violent storm, especially one with strong winds and rain; a tumultuous outburst of emotions or feelings

synonym: storm, hurricane, cyclone

(1) violent **tempest**, (2) **tempest** in a teapot

The sailor skillfully navigated his ship through the **tempest**.

keystone

n. the central stone at the top of an arch, which holds all other stones in place

synonym: linchpin, mainstay, cornerstone

(1) **keystone** for success, (2) the **keystone** of campaign reform

The **keystone** of the arch held the structure together.

enrich

v. to make better or improve in quality by adding something else

synonym : enhance, improve, augment

(1) **enrich** a gas with a balloon, (2) **enrich** public services

Reading not only increases knowledge but also **enriches** life.

deciduous

adj. (of plants and shrubs) shedding its foliage annually; (of teeth, antlers, etc.) shedding its body parts at the end of a period of growth

synonym : momentary, temporary, short-term

(1) **deciduous** tree, (2) **deciduous** teeth

Deciduous leafy trees dominate the forests of the lower region.

gulf

n. a large ocean inlet or deep bay that is partially enclosed by land

synonym : chasm, divide, abyss

(1) **gulf** war, (2) **gulf** stream

The **Gulf** of Mexico is a body of water in the southern United States.

bison

n. a large wild animal of the cow family that has shaggy manes, large heads, and short horns, and there are American bison, also called buffalo, and European bison

synonym : buffalo

(1) endangered **bison**, (2) American **bison's** meat

Large herds of **bison** used to live on the plains of this area.

parakeet

n. any one of many small to medium-sized species of parrot, usually with a long tail

(1) extinct **parakeet**, (2) African **parakeet**

We had named our pet **parakeets**.

parrot

n. a tropical bird with a curved beak and the ability to mimic sounds, often kept as a pet and trained to copy the human voice

synonym : copyist, wannabe

(1) repeat like a **parrot**, (2) a talking **parrot**

She keeps a **parrot** in a birdcage as a pet.

heath

n. an area of open uncultivated land, typically covered in heather, gorse, or other shrubs; a low-growing, evergreen shrub found in heathland areas

synonym : moor, bog, swamp

(1) small **heath**, (2) **heath** habitat

The birdwatcher spotted a rare species on the **heath**.

recreate

v. to make something that existed previously happen or appear to exist again

synonym : renovate, vivify, revive

(1) **recreate** a single country, (2) **recreate** the feeling of the 1920s

She **recreated** the atmosphere of the pre-war age with her stage setting.

aurochs

n. an extinct species of wild oxen that inhabited Europe, Asia, and North Africa until the 17th century

(1) extinct **aurochs**, (2) **aurochs** skeleton

The cave paintings in Lascaux depict **aurochs** and other animals that were once native to Europe.

grassland

n. a large area of land covered mainly by grass, with few or no trees, and typically used for grazing livestock

synonym : meadow, plain, savanna

(1) endangered **grassland**, (2) vast **grassland**

Meadows and pastures are examples of smaller-scale **grasslands** in many parts of the world.

ibex

n. a type of wild mountain goat with long curved horns

(1) Alpine **ibex**, (2) the male **ibex**

The **ibex** is a distant relative of the mountain goat.

extinct

adj. no longer in existence

synonym : dead, obsolete, abolished

(1) **extinct** by human activity, (2) long- **extinct** volcano

Many species have become **extinct** due to habitat

destruction and other human activities.

marvelous

adj. causing wonder or astonishment; excellent

synonym : wonderful, amazing, superb

(1) **marvelous** performance, (2) **marvelous** power

The view from the top of the mountain was **marvelous**.

marsupial

adj. relating to or characteristic of mammals of the order Marsupialia, which typically carry their newborn offspring in a pouch on their abdomen; referring to animals such as kangaroos, koalas, and opossums

synonym : pouched, kangaroo-like

(1) unique **marsupial** physiology, (2) **marsupial** species

The **marsupial** pouch provides a convenient and secure space for the young ones to grow.

mourning

n. the act or expression of sorrow or grief for someone who has died; a period of time set aside for such grieving

synonym : grieving, sorrow, lamentation

(1) **mourning** period, (2) **mourning** ritual

She wore black clothing as a symbol of **mourning** for her grandmother.

mourn

v. to feel or express sorrow, grief, or sadness, especially over the death of someone

synonym : grieve, lament, weep

(1) **mourn** with deep grief, (2) **mourn** death

We **mourned** the loss of our dear friend at the memorial service.

obsess

v. to fill the mind of someone continually so that one can't think of anything else

synonym : torment, beset, engross

(1) **obsess** over her weight, (2) he is **obsessed** with the fear

He's utterly **obsessed** with his promotion.

ornithologist

n. a person who studies, observes or is an expert in the scientific field of ornithology, which is the study of birds

synonym : birdwatcher, avian expert

(1) amateur **ornithologist**, (2) **ornithologist** group

The documentary featured interviews with several renowned **ornithologists** discussing the bird population decline.

bioethics

n. the study of ethical issues related to life sciences and healthcare, particularly those related to the moral implications of scientific advances in medicine and biology

synonym : medical ethics, bio-morality

(1) **bioethics** committee, (2) **bioethics** research

Using animals in medical research raises complex questions about **bioethics** and animal welfare.

multiplex

n. a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements

synonym : multiplexer, complex, cinema

(1) **multiplex** telegraphy, (2) **multiplex** DNA analysis

The new **multiplex** cinema has 12 screens showing the latest movies.

allele

n. any of the alternative forms of a gene that can occupy a given chromosomal location

synonym : gene variant, genetic variant

(1) the **allele** in a pair, (2) inherit one **allele**

Environmental factors can also influence the expression of **alleles**, a phenomenon known as epigenetics.

coo

n. a low, soft, murmuring sound made by a dove, pigeon, or other bird; an expression of tenderness or affection; (stands for Chief Operating Officer) a senior executive position in an organization responsible for overseeing

the day-to-day operations and managing various departments and functions within the company

synonym : murmur, cooing, whisper

(1) baby **coo**, (2) the **COO** of the company

The baby let out a gentle **coo** as she was rocked to sleep.

peach

n. juicy, sweet fruit with fuzzy, pinkish-yellow skin; a person or thing that is particularly pleasing or attractive

synonym : fruit, nectarine, apricot

(1) **peach** cobbler, (2) juicy **peaches**

The **peach** tree in my backyard produced a bountiful harvest this year.

revive

v. to bring back to life, consciousness, or strength; to restore

synonym : reanimate, rejuvenate, renew

(1) **revive** my energy, (2) **revive** an old friendship

They **revived** the tradition of holding a parade on the main street every year.

pronounce

v. to say or speak (a word or words) correctly or in a particular way

synonym : articulate, enunciate, voice

(1) **pronounce** a judgment, (2) **pronounce** a name

She struggled to **pronounce** the word in a foreign language.

ancestor

n. a person from whom one is descended; a forefather

synonym : forebear, forefather, progenitor

(1) **ancestor** language, (2) earliest human **ancestor**

My remote **ancestor** immigrated to the United States from Ireland in the 1800s.

unevenly

adv. in a manner that is not uniform or consistent; with irregularities or disparities

synonym : unequally, irregularly, inconsistently

(1) **unevenly** distributed, (2) **unevenly** lit

The field was mowed **unevenly**, making it difficult to play soccer.

hardy

adj. able to withstand harsh conditions or difficult circumstances; robust, sturdy, or resilient

synonym: tough, sturdy, resilient

(1) **hardy** plants, (2) **hardy** breed

The **hardy** construction workers worked tirelessly in the scorching heat to complete the project.

rewild

v. to restore an area of land to its natural state, especially by reintroducing locally extinct species

synonym: restore, return, rehabilitate

(1) **rewild** land, (2) **rewild** an area

The government is considering a plan to **rewild** certain areas by reintroducing native species and removing non-native ones.

meadow

n. a field of grass and wildflowers, especially one used for hay

synonym: pasture, field, lawn

(1) graze in the **meadow**, (2) lowland **meadow**

The lush **meadow** was covered in wildflowers.

cryopreservation

n. the process of preserving biological material at very low temperatures, often below -150°C , to maintain its viability and function

synonym: freezing, preservation, cold storage

(1) **cryopreservation** techniques, (2) sperm **cryopreservation**

The **cryopreservation** process typically involves special freezing agents and controlled cooling rates to minimize cell damage.

interspecies

adj. occurring between or involving different species; pertaining to interactions between different species

synonym: interbreeding, crossbreeding, mixed

(1) **interspecies** interaction, (2) **interspecies** communication

There are many cases of **interspecies** cooperation in the animal kingdom.

respiration

n. the process of inhaling and exhaling air to exchange oxygen and carbon dioxide with the environment; the total of the physiological processes by which living organisms metabolize oxygen and release carbon dioxide

synonym : breathing, ventilation

(1) **respiration** rate, (2) artificial **respiration**

The doctor carefully monitored the patient's **respiration** during the surgery.

malformed

adj. having an abnormal or distorted shape or structure, often due to a genetic mutation or developmental pattern

synonym : misshapen, deformed, distorted

(1) **malformed** fetus, (2) **malformed** chromosome

The **malformed** puppy needed special care and attention from the veterinarian.

pluripotent

adj. describing cells that have the potential to differentiate into any specialized cell in the body, often used in the context of stem cell research and applications

synonym : versatile, all-purpose, adaptable

(1) **pluripotent** embryonic cells, (2) **pluripotent** gene expression

Pluripotent stem cells can differentiate into any cell in the body.

germ

n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

synonym : bacterium, microbe, pathogen

(1) antibiotic-resistant **germ**, (2) a **germ-free** environment

The **germ** of his idea came from watching birds flying in

flocks.

falcon

n. a bird of prey characterized by its sharp talons and hooked beak; typically having a long tail and wingspan and known for its swift and agile flight

synonym: hawk, eagle, kestrel

(1) **falcon** feathers, (2) peregrine **falcon**

The **falcon's** keen eyesight makes it an excellent hunter.

fibroblast

n. a type of cell in connective tissue that produces and maintains the extracellular matrix, which provides support and structure to tissues and organs

(1) **fibroblast** growth factor, (2) **fibroblast** migration

Fibroblast cells play an important role in tissue repair and regeneration.

gonad

n. a reproductive organ that produces gametes, such as testes in males or ovaries in females

synonym: testes, ovary, reproductive gland

(1) **gonad** development, (2) reproductive **gonad**

Certain chemicals can disrupt the proper functioning of **gonads**, leading to reproductive problems.

conservationist

n. a person who advocates or acts to protect and preserve the environment and wildlife

synonym: environmentalist

(1) wildlife **conservationist**, (2) dedicated **conservationist**

The extinction of this species has been a significant concern for **conservationists**.

excite

v. to make someone feel suddenly enthusiastic or eager

synonym: thrill, exhilarate, animate

(1) **excite** the crowd, (2) **excite** rebellion

The news of her promotion **excited** her.

ivory

n. a hard, creamy-white substance that comes from the tusks of elephants, walruses, and some other animals

and is used to make ornaments and other decorative items

synonym : elephant tusk, bone, tooth

(1) tower of **ivory**, (2) **ivory** carving

The intricate carvings on the **ivory** tusk were a work of art.

bum

n. a person who is homeless or lives in poverty; a lazy, shiftless, or worthless person; a beggar; a person who spends time doing nothing productive

synonym : hobo, vagrant, tramp

(1) homeless **bum**, (2) lazy **bum**

He used to be a successful businessman, but now he's a washed-up **bum** with nothing to show.

rev

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

synonym : revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

captivity

n. the situation in which a person or animal is kept in prison or a space that they cannot escape from

synonym : confinement, detention, imprisonment

(1) escape from **captivity**, (2) animals in **captivity** in the zoo

Pandas rarely breed in **captivity**.

condor

n. a large bird of prey with a wingspan of up to ten feet, primarily found in South America

synonym : eagle, vulture, raptor

(1) **condor** population, (2) endangered **condor**

The majestic **condor** soared through the sky, captivating everyone's attention.

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.

ecotourism

n. a form of tourism that involves responsible travel to natural areas while promoting conservation and local community development

synonym : sustainable tourism, green tourism

(1) **ecotourism** activities, (2) sustainable **ecotourism**

The **ecotourism** industry strongly focuses on preserving natural habitats and protecting endangered species.

smartphone

n. a mobile phone that functions as a computer and connects to the Internet

(1) **smartphone** app developer, (2) **smartphone** addict
Internet traffic volumes have increased significantly with the advent of **smartphones**.

rhinoceros

n. (also rhino) a large, thick-skinned mammal with one or two horns on the nose, typically found in Africa and Asia.

synonym : rhino, horned beast, pachyderm

(1) **rhinoceros** habitat, (2) white **rhinoceros**

The baby **rhinoceros** at the wildlife sanctuary was recently born and is very cute.

tinker

v. to make repairs, adjustments, or improvements to something, especially in an experimental or makeshift way

synonym : fiddle, play, fix

(1) **tinker** with the bill, (2) **tinker** with the settings

He spent the afternoon **tinkering** with his car engine.

flutter

v. to wave or flap quickly and lightly; (noun) the act of moving back and forth

synonym : flit, hover, wave

(1) **flutter** around finding, (2) a **flutter** of a bird

The butterfly **fluttered** its wings gracefully.

woodpecker

n. a type of bird characterized by its habit of tapping or drumming against tree trunks with its strong beak, known for its ability to excavate holes in tree trunks and branches for nesting and foraging purposes

synonym : pecker, timberdoodle

(1) **woodpecker** nest, (2) **woodpecker** feeding

I spotted a **woodpecker** drilling for insects in the trunk of an old oak tree.

monk

n. a member of a religious community of men living under vows of poverty, chastity, and obedience

synonym : friar, cleric, brother

(1) **monk** lifestyle, (2) cloistered **monk**

The ascetic **monk** spent his days in prayer and contemplation in the monastery.

mammoth

adj. exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene

synonym : huge, large

(1) woolly **mammoth**, (2) a **mammoth** ship

The minister decided to review its **mammoth** public works projects.

torment

n. unbearable physical pain or extreme mental distress; (verb) to cause severe physical or mental suffering to someone, or to be the victim of such suffering

synonym : pain, suffering, agony

(1) **torment** of jealousy, (2) economic **torment**

The torturers inflicted great **torment** upon the prisoners.

unintended

adj. not planned or meant

synonym : accidental, unconsenting, involuntary

(1) **unintended** bias, (2) **unintended** misunderstanding

Excessive human interference in the global environment may bring **unintended** consequences.

cork

n. a type of light and buoyant material that comes from the bark of the cork oak tree often used as a stopper for bottles or as a material for insulation or flooring; (verb) to close or seal something with a cork or similar stopper

synonym : stopper, bung, plug

(1) **cork** a bottle, (2) **cork** flooring

She used a **cork** board to display her favorite photographs.

Session 2: Spelling

1. uni_____ed misunderstanding *adj.* not planned or meant
2. tower of iv__y *n.* a hard, creamy-white substance that comes from the tusks of elephants, walruses, and some other animals and is used to make ornaments and other decorative items
3. vast gr_____nd *n.* a large area of land covered mainly by grass, with few or no trees, and typically used for grazing livestock
4. au_____s skeleton *n.* an extinct species of wild oxen that inhabited Europe, Asia, and North Africa until the 17th century
5. pe__h cobbler *n.* juicy, sweet fruit with fuzzy, pinkish-yellow skin; a person or thing that is particularly pleasing or attractive
6. woolly ma_____h *adj.* exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene
7. un_____ly distributed *adv.* in a manner that is not uniform or consistent; with irregularities or disparities
8. endangered bi__n *n.* a large wild animal of the cow family that has shaggy manes, large heads, and short horns, and there are American bison, also called buffalo, and European bison

ANSWERS: 1. unintended, 2. ivory, 3. grassland, 4. aurochs, 5. peach, 6. mammoth, 7. unevenly, 8. bison

9. reproductive go__d *n.* a reproductive organ that produces gametes, such as testes in males or ovaries in females
10. ma_____ed fetus *adj.* having an abnormal or distorted shape or structure, often due to a genetic mutation or developmental pattern
11. to_____t of jealousy *n.* unbearable physical pain or extreme mental distress; (verb) to cause severe physical or mental suffering to someone, or to be the victim of such suffering
12. rhi_____os habitat *n.* (also rhino) a large, thick-skinned mammal with one or two horns on the nose, typically found in Africa and Asia.
13. ma_____us performance *adj.* causing wonder or astonishment; excellent
14. g__f stream *n.* a large ocean inlet or deep bay that is partially enclosed by land
15. ex___e rebellion *v.* to make someone feel suddenly enthusiastic or eager
16. mu_____ex telegraphy *n.* a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements
17. ma_____al species *adj.* relating to or characteristic of mammals of the order Marsupialia, which typically carry their newborn offspring in a pouch on their abdomen; referring to animals such as kangaroos, koalas, and opossums

ANSWERS: 9. gonad, 10. malformed, 11. torment, 12. rhinoceros, 13. marvelous, 14. gulf, 15. excite, 16. multiplex, 17. marsupial

18. a ma_____h ship *adj.* exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene
19. 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
20. homeless b_m *n.* a person who is homeless or lives in poverty; a lazy, shiftless, or worthless person; a beggar; a person who spends time doing nothing productive
21. lazy b_m *n.* a person who is homeless or lives in poverty; a lazy, shiftless, or worthless person; a beggar; a person who spends time doing nothing productive
22. artificial res_____on *n.* the process of inhaling and exhaling air to exchange oxygen and carbon dioxide with the environment; the total of the physiological processes by which living organisms metabolize oxygen and release carbon dioxide
23. low-r_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
24. woo_____er feeding *n.* a type of bird characterized by its habit of tapping or drumming against tree trunks with its strong beak, known for its ability to excavate holes in tree trunks and branches for nesting and foraging purposes

ANSWERS: 18. mammoth, 19. gorilla, 20. bum, 21. bum, 22. respiration, 23. rev, 24. woodpecker

25. he is ob___sed with the fear *v.* to fill the mind of someone continually so that one can't think of anything else
26. sma_____ne app developer *n.* a mobile phone that functions as a computer and connects to the Internet
27. de_____us tree *adj.* (of plants and shrubs) shedding its foliage annually; (of teeth, antlers, etc.) shedding its body parts at the end of a period of growth
28. sustainable eco_____sm *n.* a form of tourism that involves responsible travel to natural areas while promoting conservation and local community development
29. te_____t in a teapot *n.* a severe or violent storm, especially one with strong winds and rain; a tumultuous outburst of emotions or feelings
30. animals in ca_____ty in the zoo *n.* the situation in which a person or animal is kept in prison or a space that they cannot escape from
31. fl_____r around finding *v.* to wave or flap quickly and lightly; (noun) the act of moving back and forth
32. int_____ies interaction *adj.* occurring between or involving different species; pertaining to interactions between different species
33. re___d land *v.* to restore an area of land to its natural state, especially by reintroducing locally extinct species
34. ma_____us power *adj.* causing wonder or astonishment; excellent

ANSWERS: 25. obsess, 26. smartphone, 27. deciduous, 28. ecotourism, 29. tempest, 30. captivity, 31. flutter, 32. interspecies, 33. rewild, 34. marvelous

35. uni_____ed bias *adj.* not planned or meant
36. American bi__n's meat *n.* a large wild animal of the cow family that has shaggy manes, large heads, and short horns, and there are American bison, also called buffalo, and European bison
37. ma_____ed chromosome *adj.* having an abnormal or distorted shape or structure, often due to a genetic mutation or developmental pattern
38. an_____or language *n.* a person from whom one is descended; a forefather
39. antibiotic-resistant g__m *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
40. pr_____ce a judgment *v.* to say or speak (a word or words) correctly or in a particular way
41. dedicated con_____ist *n.* a person who advocates or acts to protect and preserve the environment and wildlife
42. unique ma_____al physiology *adj.* relating to or characteristic of mammals of the order Marsupialia, which typically carry their newborn offspring in a pouch on their abdomen; referring to animals such as kangaroos, koalas, and opossums
43. ha__y plants *adj.* able to withstand harsh conditions or difficult circumstances; robust, sturdy, or resilient

ANSWERS: 35. unintended, 36. bison, 37. malformed, 38. ancestor, 39. germ, 40. pronounce, 41. conservationist, 42. marsupial, 43. hardy

44. bi_____cs committee *n.* the study of ethical issues related to life sciences and healthcare, particularly those related to the moral implications of scientific advances in medicine and biology
45. go__d development *n.* a reproductive organ that produces gametes, such as testes in males or ovaries in females
46. ti___r with the settings *v.* to make repairs, adjustments, or improvements to something, especially in an experimental or makeshift way
47. ha__y breed *adj.* able to withstand harsh conditions or difficult circumstances; robust, sturdy, or resilient
48. endangered co___r *n.* a large bird of prey with a wingspan of up to ten feet, primarily found in South America
49. res_____on rate *n.* the process of inhaling and exhaling air to exchange oxygen and carbon dioxide with the environment; the total of the physiological processes by which living organisms metabolize oxygen and release carbon dioxide
50. peregrine fa___n *n.* a bird of prey characterized by its sharp talons and hooked beak; typically having a long tail and wingspan and known for its swift and agile flight
51. mo__n death *v.* to feel or express sorrow, grief, or sadness, especially over the death of someone

ANSWERS: 44. bioethics, 45. gonad, 46. tinker, 47. hardy, 48. condor, 49. respiration, 50. falcon, 51. mourn

52. escape from ca_____ty *n.* the situation in which a person or animal is kept in prison or a space that they cannot escape from
53. the male i__x *n.* a type of wild mountain goat with long curved horns
54. fa___n feathers *n.* a bird of prey characterized by its sharp talons and hooked beak; typically having a long tail and wingspan and known for its swift and agile flight
55. bi_____cs research *n.* the study of ethical issues related to life sciences and healthcare, particularly those related to the moral implications of scientific advances in medicine and biology
56. the C_O of the company *n.* a low, soft, murmuring sound made by a dove, pigeon, or other bird; an expression of tenderness or affection; (stands for Chief Operating Officer) a senior executive position in an organization responsible for overseeing the day-to-day operations and managing various departments and functions within the company
57. woo_____er nest *n.* a type of bird characterized by its habit of tapping or drumming against tree trunks with its strong beak, known for its ability to excavate holes in tree trunks and branches for nesting and foraging purposes
58. pr_____ce a name *v.* to say or speak (a word or words) correctly or in a particular way

ANSWERS: 52. captivity, 53. ibex, 54. falcon, 55. bioethics, 56. coo, 57. woodpecker, 58. pronounce

59. long-ex____t volcano *adj.* no longer in existence
60. g__f war *n.* a large ocean inlet or deep bay that is partially enclosed by land
61. a fl_____r of a bird *v.* to wave or flap quickly and lightly; (noun) the act of moving back and forth
62. orn_____ist group *n.* a person who studies, observes or is an expert in the scientific field of ornithology, which is the study of birds
63. ke_____ne for success *n.* the central stone at the top of an arch, which holds all other stones in place
64. c__k a bottle *n.* a type of light and buoyant material that comes from the bark of the cork oak tree often used as a stopper for bottles or as a material for insulation or flooring; (verb) to close or seal something with a cork or similar stopper
65. 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
66. sperm cry_____ion *n.* the process of preserving biological material at very low temperatures, often below -150°C, to maintain its viability and function
67. inherit one al____e *n.* any of the alternative forms of a gene that can occupy a given chromosomal location
68. cry_____ion techniques *n.* the process of preserving biological material at very low temperatures, often below -150°C, to maintain its viability and function

ANSWERS: 59. extinct, 60. gulf, 61. flutter, 62. ornithologist, 63. keystone, 64. cork, 65. gorilla, 66. cryopreservation, 67. allele, 68. cryopreservation

69. iv__y carving *n.* a hard, creamy-white substance that comes from the tusks of elephants, walruses, and some other animals and is used to make ornaments and other decorative items
70. extinct pa____et *n.* any one of many small to medium-sized species of parrot, usually with a long tail
71. endangered gr_____nd *n.* a large area of land covered mainly by grass, with few or no trees, and typically used for grazing livestock
72. mo_____ng period *n.* the act or expression of sorrow or grief for someone who has died; a period of time set aside for such grieving
73. ex___e the crowd *v.* to make someone feel suddenly enthusiastic or eager
74. mo_____ng ritual *n.* the act or expression of sorrow or grief for someone who has died; a period of time set aside for such grieving
75. re_____te a single country *v.* to make something that existed previously happen or appear to exist again
76. ob___s over her weight *v.* to fill the mind of someone continually so that one can't think of anything else
77. white rhi_____os *n.* (also rhino) a large, thick-skinned mammal with one or two horns on the nose, typically found in Africa and Asia.
78. wildlife con_____ist *n.* a person who advocates or acts to protect and preserve the environment and wildlife

ANSWERS: 69. ivory, 70. parakeet, 71. grassland, 72. mourning, 73. excite, 74. mourning, 75. recreate, 76. obsess, 77. rhinoceros, 78. conservationist

79. en___h public services *v.* to make better or improve in quality by adding something else
80. graze in the me___w *n.* a field of grass and wildflowers, especially one used for hay
81. the al___e in a pair *n.* any of the alternative forms of a gene that can occupy a given chromosomal location
82. fib_____st growth factor *n.* a type of cell in connective tissue that produces and maintains the extracellular matrix, which provides support and structure to tissues and organs
83. re___e an old friendship *v.* to bring back to life, consciousness, or strength; to restore
84. juicy pe__hes *n.* juicy, sweet fruit with fuzzy, pinkish-yellow skin; a person or thing that is particularly pleasing or attractive
85. de_____us teeth *adj.* (of plants and shrubs) shedding its foliage annually; (of teeth, antlers, etc.) shedding its body parts at the end of a period of growth
86. Alpine i__x *n.* a type of wild mountain goat with long curved horns
87. re___d an area *v.* to restore an area of land to its natural state, especially by reintroducing locally extinct species
88. baby c_o *n.* a low, soft, murmuring sound made by a dove, pigeon, or other bird; an expression of tenderness or affection; (stands for Chief Operating Officer) a senior executive position in an organization responsible for overseeing the day-to-day operations and managing various departments and functions within the company

ANSWERS: 79. enrich, 80. meadow, 81. allele, 82. fibroblast, 83. revive, 84. peach, 85. deciduous, 86. ibex, 87. rewild, 88. coo

89. mo__n with deep grief *v.* to feel or express sorrow, grief, or sadness, especially over the death of someone
90. eco_____sm activities *n.* a form of tourism that involves responsible travel to natural areas while promoting conservation and local community development
91. un_____ly lit *adv.* in a manner that is not uniform or consistent; with irregularities or disparities
92. co___r population *n.* a large bird of prey with a wingspan of up to ten feet, primarily found in South America
93. earliest human an_____or *n.* a person from whom one is descended; a forefather
94. small he__h *n.* an area of open uncultivated land, typically covered in heather, gorse, or other shrubs; a low-growing, evergreen shrub found in heathland areas
95. re_____te the feeling of the 1920s *v.* to make something that existed previously happen or appear to exist again
96. c__k flooring *n.* a type of light and buoyant material that comes from the bark of the cork oak tree often used as a stopper for bottles or as a material for insulation or flooring; (verb) to close or seal something with a cork or similar stopper
97. African pa_____et *n.* any one of many small to medium-sized species of parrot, usually with a long tail

ANSWERS: 89. mourn, 90. ecotourism, 91. unevenly, 92. condor, 93. ancestor, 94. heath, 95. recreate, 96. cork, 97. parakeet

98. the ke____ne of campaign reform *n.* the central stone at the top of an arch, which holds all other stones in place
99. a racing pi____n *n.* a stout-bodied bird with a small head, short legs, and a short, cooing call, typically found in cities and domesticated for food
100. re____e my energy *v.* to bring back to life, consciousness, or strength; to restore
101. int____ies communication *adj.* occurring between or involving different species; pertaining to interactions between different species
102. a talking pa____t *n.* a tropical bird with a curved beak and the ability to mimic sounds, often kept as a pet and trained to copy the human voice
103. mu____ex DNA analysis *n.* a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements
104. pi____n on the roof *n.* a stout-bodied bird with a small head, short legs, and a short, cooing call, typically found in cities and domesticated for food
105. m__k lifestyle *n.* a member of a religious community of men living under vows of poverty, chastity, and obedience

ANSWERS: 98. keystone, 99. pigeon, 100. revive, 101. interspecies, 102. parrot, 103. multiplex, 104. pigeon, 105. monk

106. fib_____st migration *n.* a type of cell in connective tissue that produces and maintains the extracellular matrix, which provides support and structure to tissues and organs
107. repeat like a pa____t *n.* a tropical bird with a curved beak and the ability to mimic sounds, often kept as a pet and trained to copy the human voice
108. cloistered m__k *n.* a member of a religious community of men living under vows of poverty, chastity, and obedience
109. plu_____nt gene expression *adj.* describing cells that have the potential to differentiate into any specialized cell in the body, often used in the context of stem cell research and applications
110. en____h a gas with a balloon *v.* to make better or improve in quality by adding something else
111. economic to_____t *n.* unbearable physical pain or extreme mental distress; (verb) to cause severe physical or mental suffering to someone, or to be the victim of such suffering
112. ti____r with the bill *v.* to make repairs, adjustments, or improvements to something, especially in an experimental or makeshift way
113. ex_____t by human activity *adj.* no longer in existence
114. he__h habitat *n.* an area of open uncultivated land, typically covered in heather, gorse, or other shrubs; a low-growing, evergreen shrub found in heathland areas

ANSWERS: 106. fibroblast, 107. parrot, 108. monk, 109. pluripotent, 110. enrich, 111. torment, 112. tinker, 113. extinct, 114. heath

115. sma_____ne addict *n.* a mobile phone that functions as a computer and connects to the Internet
116. r_v up the crowd *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
117. lowland me___w *n.* a field of grass and wildflowers, especially one used for hay
118. a g__m-free environment *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
119. amateur orn_____ist *n.* a person who studies, observes or is an expert in the scientific field of ornithology, which is the study of birds
120. plu_____nt embryonic cells *adj.* describing cells that have the potential to differentiate into any specialized cell in the body, often used in the context of stem cell research and applications
121. extinct au_____s *n.* an extinct species of wild oxen that inhabited Europe, Asia, and North Africa until the 17th century
122. violent te_____t *n.* a severe or violent storm, especially one with strong winds and rain; a tumultuous outburst of emotions or feelings

ANSWERS: 115. smartphone, 116. rev, 117. meadow, 118. germ, 119. ornithologist, 120. pluripotent, 121. aurochs, 122. tempest

Session 3: Fill in the Blanks

1. She used a _____ board to display her favorite photographs.
n. a type of light and buoyant material that comes from the bark of the cork oak tree often used as a stopper for bottles or as a material for insulation or flooring; (verb) to close or seal something with a cork or similar stopper
2. The intricate carvings on the _____ tusk were a work of art.
n. a hard, creamy-white substance that comes from the tusks of elephants, walruses, and some other animals and is used to make ornaments and other decorative items
3. She wore black clothing as a symbol of _____ for her grandmother.
n. the act or expression of sorrow or grief for someone who has died; a period of time set aside for such grieving
4. He's utterly _____ with his promotion.
v. to fill the mind of someone continually so that one can't think of anything else
5. Many species have become _____ due to habitat destruction and other human activities.
adj. no longer in existence
6. Using animals in medical research raises complex questions about _____ and animal welfare.
n. the study of ethical issues related to life sciences and healthcare, particularly those related to the moral implications of scientific advances in medicine and biology
7. The _____ is a distant relative of the mountain goat.
n. a type of wild mountain goat with long curved horns

ANSWERS: 1. cork, 2. ivory, 3. mourning, 4. obsessed, 5. extinct, 6. bioethics, 7. ibex

8. The _____ industry strongly focuses on preserving natural habitats and protecting endangered species.
- n.* a form of tourism that involves responsible travel to natural areas while promoting conservation and local community development
9. Internet traffic volumes have increased significantly with the advent of _____.
- n.* a mobile phone that functions as a computer and connects to the Internet
10. The _____ process typically involves special freezing agents and controlled cooling rates to minimize cell damage.
- n.* the process of preserving biological material at very low temperatures, often below -150°C , to maintain its viability and function
11. Reading not only increases knowledge but also _____ life.
- v.* to make better or improve in quality by adding something else
12. She _____ the atmosphere of the pre-war age with her stage setting.
- v.* to make something that existed previously happen or appear to exist again
13. Excessive human interference in the global environment may bring _____ consequences.
- adj.* not planned or meant
14. Meadows and pastures are examples of smaller-scale _____ in many parts of the world.
- n.* a large area of land covered mainly by grass, with few or no trees, and typically used for grazing livestock
15. 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: 8. ecotourism, 9. smartphones, 10. cryopreservation, 11. enriches, 12. recreated, 13. unintended, 14. grasslands, 15. gorilla

16. Pandas rarely breed in _____.
- n.* the situation in which a person or animal is kept in prison or a space that they cannot escape from
17. The _____ tree in my backyard produced a bountiful harvest this year.
- n.* juicy, sweet fruit with fuzzy, pinkish-yellow skin; a person or thing that is particularly pleasing or attractive
18. _____ stem cells can differentiate into any cell in the body.
- adj.* describing cells that have the potential to differentiate into any specialized cell in the body, often used in the context of stem cell research and applications
19. The _____ puppy needed special care and attention from the veterinarian.
- adj.* having an abnormal or distorted shape or structure, often due to a genetic mutation or developmental pattern
20. The birdwatcher spotted a rare species on the _____.
- n.* an area of open uncultivated land, typically covered in heather, gorse, or other shrubs; a low-growing, evergreen shrub found in heathland areas
21. She keeps a _____ in a birdcage as a pet.
- n.* a tropical bird with a curved beak and the ability to mimic sounds, often kept as a pet and trained to copy the human voice
22. The torturers inflicted great _____ upon the prisoners.
- n.* unbearable physical pain or extreme mental distress; (verb) to cause severe physical or mental suffering to someone, or to be the victim of such suffering
23. The news of her promotion _____ her.
- v.* to make someone feel suddenly enthusiastic or eager

ANSWERS: 16. captivity, 17. peach, 18. Pluripotent, 19. malformed, 20. heath, 21. parrot, 22. torment, 23. excited

24. The majestic _____ soared through the sky, captivating everyone's attention.
- n.* a large bird of prey with a wingspan of up to ten feet, primarily found in South America
25. The doctor carefully monitored the patient's _____ during the surgery.
- n.* the process of inhaling and exhaling air to exchange oxygen and carbon dioxide with the environment; the total of the physiological processes by which living organisms metabolize oxygen and release carbon dioxide
26. Certain chemicals can disrupt the proper functioning of _____ leading to reproductive problems.
- n.* a reproductive organ that produces gametes, such as testes in males or ovaries in females
27. The _____ of his idea came from watching birds flying in flocks.
- n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
28. The _____ of Mexico is a body of water in the southern United States.
- n.* a large ocean inlet or deep bay that is partially enclosed by land
29. The government is considering a plan to _____ certain areas by reintroducing native species and removing non-native ones.
- v.* to restore an area of land to its natural state, especially by reintroducing locally extinct species
30. The lush _____ was covered in wildflowers.
- n.* a field of grass and wildflowers, especially one used for hay
31. The new _____ cinema has 12 screens showing the latest movies.
- n.* a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements

ANSWERS: 24. condor, 25. respiration, 26. gonads, 27. germ, 28. Gulf, 29. rewild,

30. meadow, 31. multiplex

32. I spotted a _____ drilling for insects in the trunk of an old oak tree.
n. a type of bird characterized by its habit of tapping or drumming against tree trunks with its strong beak, known for its ability to excavate holes in tree trunks and branches for nesting and foraging purposes
33. The ascetic _____ spent his days in prayer and contemplation in the monastery.
n. a member of a religious community of men living under vows of poverty, chastity, and obedience
34. The cave paintings in Lascaux depict _____ and other animals that were once native to Europe.
n. an extinct species of wild oxen that inhabited Europe, Asia, and North Africa until the 17th century
35. He spent the afternoon _____ with his car engine.
v. to make repairs, adjustments, or improvements to something, especially in an experimental or makeshift way
36. The _____ of the arch held the structure together.
n. the central stone at the top of an arch, which holds all other stones in place
37. The minister decided to review its _____ public works projects.
adj. exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene
38. They _____ the tradition of holding a parade on the main street every year.
v. to bring back to life, consciousness, or strength; to restore
39. We had named our pet _____.
n. any one of many small to medium-sized species of parrot, usually with a long tail

ANSWERS: 32. woodpecker, 33. monk, 34. aurochs, 35. tinkering, 36. keystone, 37. mammoth, 38. revived, 39. parakeets

40. Large herds of _____ used to live on the plains of this area.
- n.* a large wild animal of the cow family that has shaggy manes, large heads, and short horns, and there are American bison, also called buffalo, and European bison
41. _____ cells play an important role in tissue repair and regeneration.
- n.* a type of cell in connective tissue that produces and maintains the extracellular matrix, which provides support and structure to tissues and organs
42. The sailor skillfully navigated his ship through the _____.
- n.* a severe or violent storm, especially one with strong winds and rain; a tumultuous outburst of emotions or feelings
43. The baby _____ at the wildlife sanctuary was recently born and is very cute.
- n.* (also rhino) a large, thick-skinned mammal with one or two horns on the nose, typically found in Africa and Asia.
44. The extinction of this species has been a significant concern for _____.
- n.* a person who advocates or acts to protect and preserve the environment and wildlife
45. The documentary featured interviews with several renowned _____ discussing the bird population decline.
- n.* a person who studies, observes or is an expert in the scientific field of ornithology, which is the study of birds
46. The butterfly _____ its wings gracefully.
- v.* to wave or flap quickly and lightly; (noun) the act of moving back and forth

ANSWERS: 40. bison, 41. Fibroblast, 42. tempest, 43. rhinoceros, 44. conservationists, 45. ornithologists, 46. fluttered

47. The field was mowed _____ making it difficult to play soccer.
adv. in a manner that is not uniform or consistent; with irregularities or disparities
48. There are many cases of _____ cooperation in the animal kingdom.
adj. occurring between or involving different species; pertaining to interactions between different species
49. _____ leafy trees dominate the forests of the lower region.
adj. (of plants and shrubs) shedding its foliage annually; (of teeth, antlers, etc.) shedding its body parts at the end of a period of growth
50. He stepped on the gas pedal, and the engine released a loud _____.
n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
51. The _____ pouch provides a convenient and secure space for the young ones to grow.
adj. relating to or characteristic of mammals of the order Marsupialia, which typically carry their newborn offspring in a pouch on their abdomen; referring to animals such as kangaroos, koalas, and opossums
52. The _____ perched on the windowsill, pecking at the bread crumbs left for it.
n. a stout-bodied bird with a small head, short legs, and a short, cooing call, typically found in cities and domesticated for food
53. My remote _____ immigrated to the United States from Ireland in the 1800s.
n. a person from whom one is descended; a forefather
54. He used to be a successful businessman, but now he's a washed-up ____ with nothing to show.
n. a person who is homeless or lives in poverty; a lazy, shiftless, or worthless person; a beggar; a person who spends time doing nothing productive

ANSWERS: 47. unevenly, 48. interspecies, 49. Deciduous, 50. rev, 51. marsupial, 52. pigeon, 53. ancestor, 54. bum

55. The view from the top of the mountain was _____.

adj. causing wonder or astonishment; excellent

56. We _____ the loss of our dear friend at the memorial service.

v. to feel or express sorrow, grief, or sadness, especially over the death of someone

57. The _____ construction workers worked tirelessly in the scorching heat to complete the project.

adj. able to withstand harsh conditions or difficult circumstances; robust, sturdy, or resilient

58. She struggled to _____ the word in a foreign language.

v. to say or speak (a word or words) correctly or in a particular way

59. Environmental factors can also influence the expression of _____ a phenomenon known as epigenetics.

n. any of the alternative forms of a gene that can occupy a given chromosomal location

60. The baby let out a gentle ____ as she was rocked to sleep.

n. a low, soft, murmuring sound made by a dove, pigeon, or other bird; an expression of tenderness or affection; (stands for Chief Operating Officer) a senior executive position in an organization responsible for overseeing the day-to-day operations and managing various departments and functions within the company

61. The _____ keen eyesight makes it an excellent hunter.

n. a bird of prey characterized by its sharp talons and hooked beak; typically having a long tail and wingspan and known for its swift and agile flight

ANSWERS: 55. marvelous, 56. mourned, 57. hardy, 58. pronounce, 59. alleles, 60. coo, 61. falcon's

ANSWERS: