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## Vocabulary Builder Reference from...

*Emma Schachner: The secret weapon that let dinosaurs take over the planet | TED Talk*

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### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### dinosaur

*n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin

*synonym* : reptile, beast, monster

(1) hulking **dinosaur**, (2) **dinosaur** fossil

The discovery of a new **dinosaur** species made headlines in the scientific community.

### 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.

### paleontology

*n.* the study of fossils and the history of life on Earth

*synonym* : fossilology, prehistoric biology

(1) vertebrate **paleontology**, (2) **paleontology** museum

My interest in **paleontology** research began when I visited a natural history museum and saw a display of fossils from the Jurassic period.

- fern** *n.* a non-flowering plant with long, feathery fronds that reproduce by spores rather than seeds  
*synonym*: greenery, foliage, bracken  
(1) **fern** leaves, (2) tropical **ferns**  
The garden was filled with various plants, including a beautiful maidenhair **fern**.
- lizard** *n.* a reptile that has a relatively long body, two pairs of legs, and a tapering tail  
(1) giant **lizard**, (2) **lizard** leather  
The **lizard's** tail regenerates if severed.
- mammal** *n.* any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body  
(1) a primitive **mammal**, (2) a sort of **mammal**  
Marine **mammal** populations are declining worldwide due to ocean pollution.
- carnivorous** *adj.* feeding on the flesh of other animals  
*synonym*: meat-eating, predatory, flesh-eating  
(1) **carnivorous** cell, (2) aquatic **carnivorous** mammal  
The **carnivorous** dinosaur preyed on other animals.
- herbivorous** *adj.* describing animals that primarily eat plants; feeding primarily on vegetables  
*synonym*: vegetarian, plant-eating, grazing  
(1) **herbivorous** diet, (2) **herbivorous** animals  
Koalas are **herbivorous** marsupials that mainly feed on eucalyptus leaves.
- reptile** *n.* a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles  
*synonym*: lizard, serpent, snake  
(1) **reptile** exhibition, (2) fossil **reptile**  
Alligators are a type of **reptile** that live in swamps and rivers.

## diversify

*v.* to make something include more different types or things; to spread out activities or investments

*synonym*: branch out, expand, broaden

(1) **diversify** my portfolio, (2) **diversify** energy sources

This inclusive environment has allowed the plant species to **diversify**.

## fossilized

*adj.* transformed into a fossil (= something preserved in rock for a very long period) or preserved in the form of a fossil; antiquated or inflexible

*synonym*: petrified, ossified, preserved

(1) obsolete **fossilized** ways, (2) a **fossilized** grove

The dinosaur bones were so old that they had been wholly **fossilized**, turning to stone over millions of years.

## extant

*adj.* still in existence; surviving or currently present

*synonym*: existing, surviving, remaining

(1) **extant** documents, (2) **extant** species

Many ancient artifacts are still **extant** and can be viewed in museums worldwide.

## phylogenetics

*n.* the study of the evolutionary relationships and history of organisms based on comparisons of their genetic sequences and other biological characteristics

*synonym*: evolutionary genetics, cladistics

(1) biogeographical **phylogenetics**, (2) **phylogenetics** tree

Her research focuses on molecular **phylogenetics**, which uses gene sequences to study evolutionary relationships.

## descendant

*n.* children or offspring of a specific person, plant, or animal

*synonym*: child, offspring, heir

(1) **descendant** of a pioneer, (2) third-generation **descendant**

Those warriors' **descendants** are still skilled archers.

## crocodile

*n.* a large, carnivorous reptile with powerful jaws and a long, scaly body; native to tropical regions and often

found in rivers and freshwater habitats

*synonym* : alligator, gator, croc

(1) **crocodile** hide, (2) saltwater **crocodile**

The **crocodile** attack left the villagers in a state of shock and fear

## **anatomical**

*adj.* of or relating to the structure of the body and its parts

*synonym* : physical, bodily, structural

(1) **anatomical** structure, (2) **anatomical** elements

The **anatomical** model of the human body was used to teach medical students.

## **reconstruct**

*v.* to build or form something again that has been damaged or destroyed

*synonym* : rebuild, revamp, reorganize

(1) **reconstruct** an image, (2) **reconstruct** the original text

They've decided to **reconstruct** a ruined castle.

## **blueprint**

*n.* a photographic print of an early plan for a building or machine

*synonym* : draft, prototype, sketch

(1) **blueprint** for economic reform, (2) architect's **blueprint**

A business plan is a **blueprint** for your success.

## **mammalian**

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

*synonym* : animal, mammal-like, warm-blooded

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

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

## **reintroduce**

*v.* to bring back something that has been previously abolished or discontinued

*synonym* :

bring back, restore, reestablish

(1) **reintroduce** species, (2) **reintroduce** capital punishment

The government is planning to **reintroduce** wolves to the national park to restore the balance of the ecosystem.

## visualize

*v.* to form a mental image or concept of something; to make something visible

*synonym*: imagine, picture, envision

(1) **visualize** data, (2) **visualize** flying through space

She tried to **visualize** the layout of the new house in her mind.

## ribcage

*n.* the bony structure in the chest that protects the heart and lungs, composed of twelve pairs of curved bones called ribs that are joined to the spine in the back and the breastbone (sternum) in the front

*synonym*: chest, thorax, torso

(1) **ribcage** pain, (2) **ribcage** injury

After the accident, the doctors found multiple fractures in his **ribcage** and advised him complete rest.

## vertebra

*n.* a bone in the spine, or the spinal column forming the supporting structure of the spine and protecting the spinal cord

(1) cervical **vertebra**, (2) **vertebra** injury

He uses a **vertebra** traction machine for his treatment.

## thorax

*n.* the part of an insect's body that bears the wings and legs, located between the head and the abdomen

*synonym*: chest, midsection, upper body

(1) **thorax** segment, (2) **thorax** anatomy

The insect's **thorax** is the middle section, where the wings and legs attach.

**rib** *n.* each of a series of curved bones that are connected to the spine and surround the chest; (adjective) subject to laughter or ridicule

*synonym* : costa

(1) brake a **rib**, (2) **rib** cage

The accident caused a cracked **rib**.

**inflate** *v.* to fill something with air or gas so that it becomes bigger and rounder

*synonym* : blow up, expand, puff up

(1) **inflate** a tire, (2) **inflate** expense reports

She **inflated** the balloons for the party.

**inhale** *v.* to breathe in air or a different substance, such as smoke

*synonym* : breathe in, take in, draw in

(1) **inhale** the smoke, (2) **inhale** the aroma

He **inhaled** deeply, trying to calm down.

**exhale** *v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently

*synonym* : breathe out, expel, emit

(1) **exhale** a big sigh, (2) **exhale** cigarette smoke

He took a deep breath and slowly began to **exhale**.

**bronchus** *n.* (in the plural, "bronchi") either of the two main branches of the trachea that lead to the lungs and distribute air to the bronchioles and alveoli

*synonym* : bronchi, airway, tube

(1) left **bronchus**, (2) **bronchus** wall

Smoking damages the **bronchus** and increases the risk of lung cancer.

**alveolus** *n.* (in the plural, "alveoli") a small, hollow cavity, pit, or socket; the small sacs in the lungs, where gas exchange with the blood occurs

*synonym* : cavity, air sac, socket

(1) tooth **alveolus**, (2) **alveolus** function

Damage to the walls of an **alveolus** can lead to reduced lung function.

## bloodstream

*n.* the blood flowing through the body

(1) **bloodstream** in an artery, (2) **bloodstream** to the brain  
Cancer cells are often carried throughout the body by the **bloodstream**.

## immobilize

*v.* to render someone or something unable to move or function normally; to restrain, inhibit, or stop

*synonym*: incapacitate, paralyze, disable

(1) **immobilize** the city, (2) **immobilize** our opponent

The paramedics had to **immobilize** the accident victim to prevent further injury during transport to the hospital.

## sponge

*n.* a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning

(1) sea **sponge**, (2) metallic **sponge**

The tiny marine **sponge** has existed for more than 500 million years.

## inflexible

*adj.* not able to be changed or adapted; rigid or unyielding

*synonym*: rigid, unyielding, unadaptable

(1) **inflexible** rule, (2) take an **inflexible** stance

His **inflexible** schedule did not allow for any changes.

## ventilate

*v.* to supply fresh air to a room, building, etc.; to remove stale air from it

*synonym*: air out, circulate, freshen

(1) **ventilate** my opinion, (2) **ventilate** air

It's important to **ventilate** the room to avoid the buildup of harmful gases.

## sac

*n.* a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant

*synonym* : bag, pouch, knapsack

(1) **sac** contents, (2) abdominal **sac**

I placed my valuables in the **sac** before heading out on my hike.

## invade

*v.* to enter aggressively into another's territory by military force for conquest and occupation

*synonym* : intrude, raid, overrun

(1) **invade** other tissues, (2) **invade** his privacy

I have no intention to **invade** your privacy.

## skeletal

*adj.* of, relating to, or forming a skeleton (= frame of bones); very thin or emaciated

*synonym* : bony, emaciated, gaunt

(1) **skeletal** system, (2) **skeletal** muscles

The older man was skinny and **skeletal** and not in good health.

## pneumatic

*adj.* relating to or using air or gas under pressure, particularly in machinery or devices; operated by compressed air or gas

*synonym* : air-powered, gas-pressure, compressed-air

(1) **pneumatic** tire, (2) **pneumatic** cylinder

The mechanic used a **pneumatic** drill to repair the engine.

## trait

*n.* a particular feature of your nature

*synonym* : attribute, feature, quality

(1) chemical **trait**, (2) personality **traits**

Multiple genes may influence behavioral **traits** concurrently.

## diffuse

*adj.* spread out widely; not concentrated in one place

*synonym* : spread, scatter

(1) **diffuse** bleeding, (2) **diffuse** cloud

Direct lighting is preferable to **diffuse** lighting when reading.



## immobility

*n.* the state of being unable to move; the quality of being unable to be moved or changed easily

*synonym* : inactivity, stillness, paralysis

(1) emotional **immobility**, (2) the **immobility** of a rock

The airplane crash resulted in the **immobility** of several passengers due to their injuries.

## rupture

*n.* a break or tear in something, especially a bodily tissue or a physical object

*synonym* : fracture, break, tear

(1) a **rupture** between friends, (2) the **rupture** of a blood vessel

A fault line **rupture** can cause significant damage and destruction to surrounding areas.

## 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.

## sauropod

*n.* a large, long-necked dinosaur that was dominant during the Jurassic and Cretaceous periods, characterized by its massive sizes and quadrupedal stances, such as Brachiosaurus, Apatosaurus, and Diplodocus

*synonym* : dinosaur, Brachiosaurus, Diplodocus

(1) herbivorous **sauropod**, (2) **sauropod** fossils

The long necks of **sauropods** allowed them to reach high vegetation.

## theropod

*n.* a type of carnivorous dinosaur that existed during the Mesozoic Era and is characterized by having three-toed limbs, a stiff tail, and sharp teeth, such as the

## Tyrannosaurus and Velociraptor

*synonym* : dinosaur, predator, carnivore

(1) **theropod** fossils, (2) **theropod** teeth

The **theropod** dinosaur was one of the fiercest predators of the prehistoric era.

## predatory

*adj.* living by eating other animals, especially by catching prey that is still alive

*synonym* : raptorial, hunting, greedy

(1) a **predatory** bird, (2) **predatory** warfare

The domesticated cat still has its **predatory** instincts.

## straitjacket

*n.* a garment or device designed to restrain a person's arms and body, typically used in psychiatric or medical settings to prevent a patient from harming themselves or others

*synonym* : restraining garment, strait-waistcoat

(1) mental **straitjacket**, (2) **straitjacket** therapy

The patient was put in a **straitjacket** to prevent self-harm.

## hypoxic

*adj.* relating to or characterized by a deficiency of oxygen, particularly in the body's tissues or organs

*synonym* : oxygen-deprived, anoxic

(1) **hypoxic** environment, (2) **hypoxic** injury

The high altitude caused a **hypoxic** condition, making it difficult to breathe.

## diversification

*n.* the act of expanding a business or portfolio by adding new products, services, or investments to reduce risk and increase profitability

*synonym* : variety, heterogeneity, assortment

(1) business **diversification**, (2) **diversification** of products

The company's **diversification** strategy helped them weather the economic downturn.

## Session 2: Spelling

1. biogeographical phy\_\_\_\_\_ics *n.* the study of the evolutionary relationships and history of organisms based on comparisons of their genetic sequences and other biological characteristics
2. blo\_\_\_\_\_am in an artery *n.* the blood flowing through the body
3. sea sp\_\_\_\_e *n.* a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning
4. aquatic car\_\_\_\_\_us mammal *adj.* feeding on the flesh of other animals
5. business div\_\_\_\_\_ion *n.* the act of expanding a business or portfolio by adding new products, services, or investments to reduce risk and increase profitability
6. th\_\_\_\_\_od fossils *n.* a type of carnivorous dinosaur that existed during the Mesozoic Era and is characterized by having three-toed limbs, a stiff tail, and sharp teeth, such as the Tyrannosaurus and Velociraptor
7. str\_\_\_\_\_ket therapy *n.* a garment or device designed to restrain a person's arms and body, typically used in psychiatric or medical settings to prevent a patient from harming themselves or others
8. rei\_\_\_\_\_ce species *v.* to bring back something that has been previously abolished or discontinued

ANSWERS: 1. phylogenetics, 2. bloodstream, 3. sponge, 4. carnivorous, 5. diversification, 6. theropod, 7. straitjacket, 8. reintroduce

9. al\_\_\_\_\_us function *n.* (in the plural, "alveoli") a small, hollow cavity, pit, or socket; the small sacs in the lungs, where gas exchange with the blood occurs
10. ex\_\_\_\_e cigarette smoke *v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
11. a fos\_\_\_\_\_ed grove *adj.* transformed into a fossil (= something preserved in rock for a very long period) or preserved in the form of a fossil; antiquated or inflexible
12. long-ex\_\_\_\_\_t volcano *adj.* no longer in existence
13. cervical ve\_\_\_\_\_ra *n.* a bone in the spine, or the spinal column forming the supporting structure of the spine and protecting the spinal cord
14. the ru\_\_\_\_\_e of a blood vessel *n.* a break or tear in something, especially a bodily tissue or a physical object
15. third-generation des\_\_\_\_\_nt *n.* children or offspring of a specific person, plant, or animal
16. imm\_\_\_\_\_ze the city *v.* to render someone or something unable to move or function normally; to restrain, inhibit, or stop
17. di\_\_\_\_\_fy my portfolio *v.* to make something include more different types or things; to spread out activities or investments
18. saltwater cr\_\_\_\_\_le *n.* a large, carnivorous reptile with powerful jaws and a long, scaly body; native to tropical regions and often found in rivers and freshwater habitats

ANSWERS: 9. alveolus, 10. exhale, 11. fossilized, 12. extinct, 13. vertebra, 14. rupture, 15. descendant, 16. immobilize, 17. diversify, 18. crocodile

19. phy\_\_\_\_\_ics tree      *n.* the study of the evolutionary relationships and history of organisms based on comparisons of their genetic sequences and other biological characteristics
20. car\_\_\_\_\_us cell      *adj.* feeding on the flesh of other animals
21. ve\_\_\_\_\_te my opinion      *v.* to supply fresh air to a room, building, etc.; to remove stale air from it
22. th\_\_\_x segment      *n.* the part of an insect's body that bears the wings and legs, located between the head and the abdomen
23. in\_\_\_e the aroma      *v.* to breathe in air or a different substance, such as smoke
24. a ru\_\_\_\_\_e between friends      *n.* a break or tear in something, especially a bodily tissue or a physical object
25. hy\_\_\_\_\_c injury      *adj.* relating to or characterized by a deficiency of oxygen, particularly in the body's tissues or organs
26. mental str\_\_\_\_\_ket      *n.* a garment or device designed to restrain a person's arms and body, typically used in psychiatric or medical settings to prevent a patient from harming themselves or others
27. imm\_\_\_\_\_ze our opponent      *v.* to render someone or something unable to move or function normally; to restrain, inhibit, or stop
28. bl\_\_\_\_\_nt for economic reform      *n.* a photographic print of an early plan for a building or machine
29. emotional imm\_\_\_\_\_ty      *n.* the state of being unable to move; the quality of being unable to be moved or changed easily

ANSWERS: 19. phylogenetics, 20. carnivorous, 21. ventilate, 22. thorax, 23. inhale, 24. rupture, 25. hypoxic, 26. straitjacket, 27. immobilize, 28. blueprint, 29. immobility

30. div\_\_\_\_\_ion of products      *n.* the act of expanding a business or portfolio by adding new products, services, or investments to reduce risk and increase profitability
31. chemical tr\_\_t      *n.* a particular feature of your nature
32. ana\_\_\_\_\_al elements      *adj.* of or relating to the structure of the body and its parts
33. di\_\_\_\_\_ur fossil      *n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
34. pr\_\_\_\_\_ry warfare      *adj.* living by eating other animals, especially by catching prey that is still alive
35. ma\_\_\_\_\_an embryo      *adj.* of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior
36. vi\_\_\_\_\_ze flying through space      *v.* to form a mental image or concept of something; to make something visible
37. di\_\_\_\_\_fy energy sources      *v.* to make something include more different types or things; to spread out activities or investments
38. ma\_\_\_\_\_an evolution      *adj.* of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior

ANSWERS: 30. diversification, 31. trait, 32. anatomical, 33. dinosaur, 34. predatory, 35. mammalian, 36. visualize, 37. diversify, 38. mammalian

39. in\_\_\_e other tissues      *v.* to enter aggressively into another's territory by military force for conquest and occupation
40. brake a r\_b      *n.* each of a series of curved bones that are connected to the spine and surround the chest; (adjective) subject to laughter or ridicule
41. tooth al\_\_\_\_us      *n.* (in the plural, "alveoli") a small, hollow cavity, pit, or socket; the small sacs in the lungs, where gas exchange with the blood occurs
42. th\_\_\_x anatomy      *n.* the part of an insect's body that bears the wings and legs, located between the head and the abdomen
43. her\_\_\_\_us animals      *adj.* describing animals that primarily eat plants; feeding primarily on vegetables
44. di\_\_\_\_e cloud      *adj.* spread out widely; not concentrated in one place
45. a sort of ma\_\_\_l      *n.* any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body
46. 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
47. hulking di\_\_\_\_ur      *n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin

ANSWERS: 39. invade, 40. rib, 41. alveolus, 42. thorax, 43. herbivorous, 44. diffuse, 45. mammal, 46. respiration, 47. dinosaur

48. in\_\_\_e his privacy      *v.* to enter aggressively into another's territory by military force for conquest and occupation
49. sk\_\_\_\_\_al system      *adj.* of, relating to, or forming a skeleton (= frame of bones); very thin or emaciated
50. in\_\_\_\_\_e expense reports      *v.* to fill something with air or gas so that it becomes bigger and rounder
51. giant li\_\_\_d      *n.* a reptile that has a relatively long body, two pairs of legs, and a tapering tail
52. a primitive ma\_\_\_l      *n.* any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body
53. herbivorous sa\_\_\_\_\_od      *n.* a large, long-necked dinosaur that was dominant during the Jurassic and Cretaceous periods, characterized by its massive sizes and quadrupedal stances, such as Brachiosaurus, Apatosaurus, and Diplodocus
54. 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
55. a pr\_\_\_\_\_ry bird      *adj.* living by eating other animals, especially by catching prey that is still alive
56. re\_\_\_\_\_e exhibition      *n.* a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles

ANSWERS: 48. invade, 49. skeletal, 50. inflate, 51. lizard, 52. mammal, 53. sauropod, 54. respiration, 55. predatory, 56. reptile



57. sk\_\_\_\_al muscles *adj.* of, relating to, or forming a skeleton (= frame of bones); very thin or emaciated
58. rei\_\_\_\_\_ce capital punishment *v.* to bring back something that has been previously abolished or discontinued
59. ri\_\_\_\_\_e pain *n.* the bony structure in the chest that protects the heart and lungs, composed of twelve pairs of curved bones called ribs that are joined to the spine in the back and the breastbone (sternum) in the front
60. pn\_\_\_\_\_ic tire *adj.* relating to or using air or gas under pressure, particularly in machinery or devices; operated by compressed air or gas
61. blo\_\_\_\_\_am to the brain *n.* the blood flowing through the body
62. pn\_\_\_\_\_ic cylinder *adj.* relating to or using air or gas under pressure, particularly in machinery or devices; operated by compressed air or gas
63. inf\_\_\_\_\_le rule *adj.* not able to be changed or adapted; rigid or unyielding
64. the imm\_\_\_\_\_ty of a rock *n.* the state of being unable to move; the quality of being unable to be moved or changed easily
65. fossil re\_\_\_\_\_e *n.* a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles
66. di\_\_\_\_\_e bleeding *adj.* spread out widely; not concentrated in one place

ANSWERS: 57. skeletal, 58. reintroduce, 59. ribcage, 60. pneumatic, 61. bloodstream, 62. pneumatic, 63. inflexible, 64. immobility, 65. reptile, 66. diffuse

67. th\_\_\_\_od teeth *n.* a type of carnivorous dinosaur that existed during the Mesozoic Era and is characterized by having three-toed limbs, a stiff tail, and sharp teeth, such as the Tyrannosaurus and Velociraptor
68. s\_c contents *n.* a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant
69. obsolete fos\_\_\_\_\_ed ways *adj.* transformed into a fossil (= something preserved in rock for a very long period) or preserved in the form of a fossil; antiquated or inflexible
70. rec\_\_\_\_\_ct the original text *v.* to build or form something again that has been damaged or destroyed
71. personality tr\_\_ts *n.* a particular feature of your nature
72. f\_\_n leaves *n.* a non-flowering plant with long, feathery fronds that reproduce by spores rather than seeds
73. abdominal s\_c *n.* a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant
74. in\_\_\_e the smoke *v.* to breathe in air or a different substance, such as smoke
75. vertebrate pal\_\_\_\_\_ogy *n.* the study of fossils and the history of life on Earth
76. take an inf\_\_\_\_\_le stance *adj.* not able to be changed or adapted; rigid or unyielding

ANSWERS: 67. theropod, 68. sac, 69. fossilized, 70. reconstruct, 71. trait, 72. fern, 73. sac, 74. inhale, 75. paleontology, 76. inflexible

77. her\_\_\_\_\_us diet *adj.* describing animals that primarily eat plants; feeding primarily on vegetables
78. ve\_\_\_\_\_ra injury *n.* a bone in the spine, or the spinal column forming the supporting structure of the spine and protecting the spinal cord
79. des\_\_\_\_\_nt of a pioneer *n.* children or offspring of a specific person, plant, or animal
80. ex\_\_\_\_t documents *adj.* still in existence; surviving or currently present
81. ex\_\_\_\_t species *adj.* still in existence; surviving or currently present
82. r\_b cage *n.* each of a series of curved bones that are connected to the spine and surround the chest; (adjective) subject to laughter or ridicule
83. ri\_\_\_\_\_e injury *n.* the bony structure in the chest that protects the heart and lungs, composed of twelve pairs of curved bones called ribs that are joined to the spine in the back and the breastbone (sternum) in the front
84. tropical f\_\_ns *n.* a non-flowering plant with long, feathery fronds that reproduce by spores rather than seeds
85. ve\_\_\_\_\_te air *v.* to supply fresh air to a room, building, etc.; to remove stale air from it
86. sa\_\_\_\_\_od fossils *n.* a large, long-necked dinosaur that was dominant during the Jurassic and Cretaceous periods, characterized by its massive sizes and quadrupedal stances, such as Brachiosaurus, Apatosaurus, and Diplodocus

ANSWERS: 77. herbivorous, 78. vertebra, 79. descendant, 80. extant, 81. extant, 82. rib, 83. ribcage, 84. fern, 85. ventilate, 86. sauropod

87. in\_\_\_\_\_e a tire *v.* to fill something with air or gas so that it becomes bigger and rounder
88. metallic sp\_\_\_\_\_e *n.* a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning
89. rec\_\_\_\_\_ct an image *v.* to build or form something again that has been damaged or destroyed
90. cr\_\_\_\_\_le hide *n.* a large, carnivorous reptile with powerful jaws and a long, scaly body; native to tropical regions and often found in rivers and freshwater habitats
91. architect's bl\_\_\_\_\_nt *n.* a photographic print of an early plan for a building or machine
92. pal\_\_\_\_\_ogy museum *n.* the study of fossils and the history of life on Earth
93. ex\_\_\_\_\_e a big sigh *v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
94. vi\_\_\_\_\_ze data *v.* to form a mental image or concept of something; to make something visible
95. left br\_\_\_\_\_us *n.* (in the plural, "bronchi") either of the two main branches of the trachea that lead to the lungs and distribute air to the bronchioles and alveoli
96. ex\_\_\_\_\_t by human activity *adj.* no longer in existence
97. ana\_\_\_\_\_al structure *adj.* of or relating to the structure of the body and its parts

ANSWERS: 87. inflate, 88. sponge, 89. reconstruct, 90. crocodile, 91. blueprint, 92. paleontology, 93. exhale, 94. visualize, 95. bronchus, 96. extinct, 97. anatomical

98. hy\_\_\_\_c environment

*adj.* relating to or characterized by a deficiency of oxygen, particularly in the body's tissues or organs

99. li\_\_\_\_d leather

*n.* a reptile that has a relatively long body, two pairs of legs, and a tapering tail

100. br\_\_\_\_us wall

*n.* (in the plural, "bronchi") either of the two main branches of the trachea that lead to the lungs and distribute air to the bronchioles and alveoli

ANSWERS: 98. hypoxic, 99. lizard, 100. bronchus

## Session 3: Fill in the Blanks

1. Koalas are \_\_\_\_\_ marsupials that mainly feed on eucalyptus leaves.  
*adj.* describing animals that primarily eat plants; feeding primarily on vegetables
2. Many ancient artifacts are still \_\_\_\_\_ and can be viewed in museums worldwide.  
*adj.* still in existence; surviving or currently present
3. My interest in \_\_\_\_\_ research began when I visited a natural history museum and saw a display of fossils from the Jurassic period.  
*n.* the study of fossils and the history of life on Earth
4. Cancer cells are often carried throughout the body by the \_\_\_\_\_.  
*n.* the blood flowing through the body
5. Those warriors' \_\_\_\_\_ are still skilled archers.  
*n.* children or offspring of a specific person, plant, or animal
6. They've decided to \_\_\_\_\_ a ruined castle.  
*v.* to build or form something again that has been damaged or destroyed
7. After the accident, the doctors found multiple fractures in his \_\_\_\_\_ and advised him complete rest.  
*n.* the bony structure in the chest that protects the heart and lungs, composed of twelve pairs of curved bones called ribs that are joined to the spine in the back and the breastbone (sternum) in the front
8. The discovery of a new \_\_\_\_\_ species made headlines in the scientific community.  
*n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin

ANSWERS: 1. herbivorous, 2. extant, 3. paleontology, 4. bloodstream, 5. descendants, 6. reconstruct, 7. ribcage, 8. dinosaur

9. A business plan is a \_\_\_\_\_ for your success.  
*n.* a photographic print of an early plan for a building or machine
10. The \_\_\_\_\_ dinosaur was one of the fiercest predators of the prehistoric era.  
*n.* a type of carnivorous dinosaur that existed during the Mesozoic Era and is characterized by having three-toed limbs, a stiff tail, and sharp teeth, such as the Tyrannosaurus and Velociraptor
11. The company's \_\_\_\_\_ strategy helped them weather the economic downturn.  
*n.* the act of expanding a business or portfolio by adding new products, services, or investments to reduce risk and increase profitability
12. Alligators are a type of \_\_\_\_\_ that live in swamps and rivers.  
*n.* a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles
13. The \_\_\_\_\_ model of the human body was used to teach medical students.  
*adj.* of or relating to the structure of the body and its parts
14. Her research focuses on molecular \_\_\_\_\_ which uses gene sequences to study evolutionary relationships.  
*n.* the study of the evolutionary relationships and history of organisms based on comparisons of their genetic sequences and other biological characteristics
15. The airplane crash resulted in the \_\_\_\_\_ of several passengers due to their injuries.  
*n.* the state of being unable to move; the quality of being unable to be moved or changed easily

ANSWERS: 9. blueprint, 10. theropod, 11. diversification, 12. reptile, 13. anatomical, 14. phylogenetics, 15. immobility

16. The patient was put in a \_\_\_\_\_ to prevent self-harm.  
*n.* a garment or device designed to restrain a person's arms and body, typically used in psychiatric or medical settings to prevent a patient from harming themselves or others
17. The accident caused a cracked \_\_\_\_\_.  
*n.* each of a series of curved bones that are connected to the spine and surround the chest; (adjective) subject to laughter or ridicule
18. The high altitude caused a \_\_\_\_\_ condition, making it difficult to breathe.  
*adj.* relating to or characterized by a deficiency of oxygen, particularly in the body's tissues or organs
19. The \_\_\_\_\_ dinosaur preyed on other animals.  
*adj.* feeding on the flesh of other animals
20. The tiny marine \_\_\_\_\_ has existed for more than 500 million years.  
*n.* a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning
21. The insect's \_\_\_\_\_ is the middle section, where the wings and legs attach.  
*n.* the part of an insect's body that bears the wings and legs, located between the head and the abdomen
22. I placed my valuables in the \_\_\_\_ before heading out on my hike.  
*n.* a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant
23. Direct lighting is preferable to \_\_\_\_\_ lighting when reading.  
*adj.* spread out widely; not concentrated in one place

ANSWERS: 16. straitjacket, 17. rib, 18. hypoxic, 19. carnivorous, 20. sponge, 21. thorax, 22. sac, 23. diffuse



24. \_\_\_\_\_ milk is known to be rich in protein and essential vitamins.

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

25. Smoking damages the \_\_\_\_\_ and increases the risk of lung cancer.

*n.* (in the plural, "bronchi") either of the two main branches of the trachea that lead to the lungs and distribute air to the bronchioles and alveoli

26. The older man was skinny and \_\_\_\_\_ and not in good health.

*adj.* of, relating to, or forming a skeleton (= frame of bones); very thin or emaciated

27. The government is planning to \_\_\_\_\_ wolves to the national park to restore the balance of the ecosystem.

*v.* to bring back something that has been previously abolished or discontinued

28. The domesticated cat still has its \_\_\_\_\_ instincts.

*adj.* living by eating other animals, especially by catching prey that is still alive

29. Multiple genes may influence behavioral \_\_\_\_\_ concurrently.

*n.* a particular feature of your nature

30. The mechanic used a \_\_\_\_\_ drill to repair the engine.

*adj.* relating to or using air or gas under pressure, particularly in machinery or devices; operated by compressed air or gas

31. He \_\_\_\_\_ deeply, trying to calm down.

*v.* to breathe in air or a different substance, such as smoke

ANSWERS: 24. Mammalian, 25. bronchus, 26. skeletal, 27. reintroduce, 28. predatory, 29. traits, 30. pneumatic, 31. inhaled

32. Damage to the walls of an \_\_\_\_\_ can lead to reduced lung function.  
*n.* (in the plural, "alveoli") a small, hollow cavity, pit, or socket; the small sacs in the lungs, where gas exchange with the blood occurs
33. She \_\_\_\_\_ the balloons for the party.  
*v.* to fill something with air or gas so that it becomes bigger and rounder
34. Many species have become \_\_\_\_\_ due to habitat destruction and other human activities.  
*adj.* no longer in existence
35. She tried to \_\_\_\_\_ the layout of the new house in her mind.  
*v.* to form a mental image or concept of something; to make something visible
36. The paramedics had to \_\_\_\_\_ the accident victim to prevent further injury during transport to the hospital.  
*v.* to render someone or something unable to move or function normally; to restrain, inhibit, or stop
37. The dinosaur bones were so old that they had been wholly \_\_\_\_\_ turning to stone over millions of years.  
*adj.* transformed into a fossil (= something preserved in rock for a very long period) or preserved in the form of a fossil; antiquated or inflexible
38. Marine \_\_\_\_\_ populations are declining worldwide due to ocean pollution.  
*n.* any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body
39. The \_\_\_\_\_ attack left the villagers in a state of shock and fear  
*n.* a large, carnivorous reptile with powerful jaws and a long, scaly body; native to tropical regions and often found in rivers and freshwater habitats

ANSWERS: 32. alveolus, 33. inflated, 34. extinct, 35. visualize, 36. immobilize, 37. fossilized, 38. mammal, 39. crocodile

40. I have no intention to \_\_\_\_\_ your privacy.

- v.* to enter aggressively into another's territory by military force for conquest and occupation

41. It's important to \_\_\_\_\_ the room to avoid the buildup of harmful gases.

- v.* to supply fresh air to a room, building, etc.; to remove stale air from it

42. His \_\_\_\_\_ schedule did not allow for any changes.

- adj.* not able to be changed or adapted; rigid or unyielding

43. The \_\_\_\_\_ tail regenerates if severed.

- n.* a reptile that has a relatively long body, two pairs of legs, and a tapering tail

44. The long necks of \_\_\_\_\_ allowed them to reach high vegetation.

- n.* a large, long-necked dinosaur that was dominant during the Jurassic and Cretaceous periods, characterized by its massive sizes and quadrupedal stances, such as Brachiosaurus, Apatosaurus, and Diplodocus

45. He took a deep breath and slowly began to \_\_\_\_\_.

- v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently

46. He uses a \_\_\_\_\_ traction machine for his treatment.

- n.* a bone in the spine, or the spinal column forming the supporting structure of the spine and protecting the spinal cord

47. 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

ANSWERS: 40. invade, 41. ventilate, 42. inflexible, 43. lizard's, 44. sauropods, 45. exhale, 46. vertebra, 47. respiration

48. This inclusive environment has allowed the plant species to \_\_\_\_\_.

- v.* to make something include more different types or things; to spread out activities or investments

49. The garden was filled with various plants, including a beautiful maidenhair \_\_\_\_\_.

- n.* a non-flowering plant with long, feathery fronds that reproduce by spores rather than seeds

50. A fault line \_\_\_\_\_ can cause significant damage and destruction to surrounding areas.

- n.* a break or tear in something, especially a bodily tissue or a physical object

ANSWERS: 48. diversify, 49. fern, 50. rupture