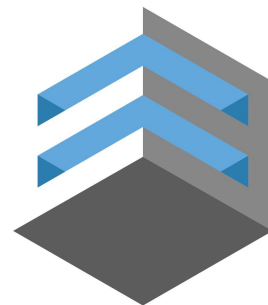


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Vocabulary Builder Reference from...

Jack Horner: Building a dinosaur from a chicken |

TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

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.

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.

dyslexia

n. a neurological condition that affects a person's ability to read, write, and spell, often despite normal or above-average intelligence, effective teaching, and adequate motivation, which is characterized by difficulty in the phonological coding of written words, poor phonological awareness, and poor reading fluency and decoding skills

synonym: reading disability, word blindness, dysgraphia

(1) student with **dyslexia**, (2) diagnosis of **dyslexia**

Educators need to understand how **dyslexia** affects students' reading abilities.

hemisphere

n. half of the terrestrial globe; half of a sphere

(1) northern **hemisphere**, (2) cerebral **hemisphere**

This weather pattern is unique to the southern **hemisphere**.

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.

depict

v. to illustrate someone or something in a photograph

synonym: illustrate, describe, express

(1) **depict** a scene, (2) **depict** a feeling of isolation

His son had accurately **depicted** the bloom.

petrify

v. to turn to stone; to make hard and unyielding

synonym: fossilize, mineralize, calcify

(1) **petrify** with fear, (2) **petrify** into stone

The thought of public speaking will **petrify** her.

sap

v. to gradually weaken or drain strength, energy, or resources; to undermine or impair someone's confidence or morale

synonym: weaken, exhaust, drain

(1) **sap** flow, (2) **sap** strength

The disease has **sapped** all his energy, and he can barely get out of bed.

bloodsucker

n. a small animal that feeds on blood, like a leech or a mosquito; a person who is seen as exploiting or taking advantage of others

synonym: leech, tick, parasite

(1) **bloodsucker** mosquito, (2) political **bloodsucker**

The lobbyist was accused of being a **bloodsucker**, using his influence to push through policies that only benefited his clients.

inject

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

synonym: shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

ostrich

n. a large flightless bird native to Africa with a long neck, legs, and bill

synonym: bird, flightless bird

(1) **ostrich** eggs, (2) **ostrich** feathers

The farmers raise **ostriches** for their meat, eggs, and feathers.

conspire

v. to plan or plot together secretly, especially with an evil or unlawful purpose

synonym: plot, scheme, collude

(1) **conspire** his ruin, (2) **conspire** to corner the market

The group of friends **conspired** to pull a prank on their teacher.

mosquito

n. a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

synonym: insect, bug, flea

(1) **mosquito** bite, (2) **mosquito** repellent

A stagnant water area are breeding ground for **mosquitos**.

thigh

n. the part of the human leg between the hip and the knee; in animals, the corresponding upper part of the hind leg

synonym: thigh-bone, femur, upper leg

(1) **thigh** muscle, (2) chicken **thigh**

The marathon runner felt a cramp in her **thigh** at the 20th mile.

hem

n. the edge or border of a piece of cloth, typically sewn to prevent fraying or unraveling; a small margin or border around something; (verb) to fold the edge of a piece of fabric and sew it down to create a neat and secure finish

synonym: edge, border, margin

(1) the **hem** of a dress, (2) **hem** the skirt

The **hem** length of her dress was perfect for the evening event.

hemoglobin

n. a protein-based molecule found in red blood cells that transports oxygen throughout the body

synonym: red cell pigment, oxygen carrier

(1) **hemoglobin** level, (2) abnormal **hemoglobin**

The **hemoglobin** gene mutation can cause genetic disorders such as sickle cell disease.

determinant

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

synonym: cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

medulla

n. the innermost part of an organ or structure, especially the spinal cord or brainstem; part of the brain responsible for controlling vital bodily functions such as breathing and heart rate

synonym: brainstem, spinal cord

(1) adrenal **medulla**, (2) **medulla** function

The **medulla** oblongata regulates vital functions such as breathing and heart rate.

buildup

n. the accumulation or increase of something over time
synonym: accumulation, increase, growth

(1) lactic acid **buildup**, (2) huge military **buildup**

The **buildup** of stress over time can lead to health problems.

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.

osteocyte

n. a specialized bone cell that is embedded in the mineralized matrix of bone tissue, responsible for the maintenance, repair, and remodeling of bone

synonym: bone cell, mineralized tissue

(1) **osteocyte** function, (2) mature **osteocyte**

The network of **osteocytes** within the bone tissue allows for the exchange of nutrients and waste products.

deteriorate

v. to become worse in quality; to decline or degenerate

synonym: decline, degenerate, regress

(1) **deteriorate** at a slow pace, (2) **deteriorate** condition

The patient's health **deteriorated** rapidly after being diagnosed with the disease.

collagen

n. a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues

synonym: gelatin, protein, tissue

(1) **collagen** supplement, (2) **collagen** production

Our natural **collagen** production decreases as we age, leading to wrinkles, sagging skin, and joint pain.

classify

v. to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties

synonym: categorize, sort, arrange

(1) **classify** images, (2) **classify** emails into folders

I need to **classify** these documents for the upcoming audit.

avian

adj. relating to or characteristic of birds

synonym: bird-like, feathered, winged

(1) **avian** influenza, (2) **avian** habitat

The expert on **avian** species studied the behavior of different types of birds.

clunky

adj. heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement

synonym: clumsy, bulky, burdensome

(1) **clunky** phrasing, (2) **clunky** robot

Refined character portrayal makes up for **clunky** gameplay.

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.

Velociraptor

n. a small-to-medium-sized predatory dinosaur that lived during the Cretaceous period, known for its distinctive sickle-shaped claws and its agile and swift nature

synonym: raptor, dinosaur, predator

(1) fossilized **Velociraptor**, (2) hunting **Velociraptor**

The museum's newest exhibit features a complete **Velociraptor** skeleton, drawing crowds of eager paleontology enthusiasts.

transgenic

adj. relating to or characterized by the transfer of genes from one species to another, typically done in genetic

engineering and biotechnology

synonym: genetically modified, altered, engineered

(1) **transgenic** organism, (2) **transgenic** technology

The **transgenic** crops were genetically modified to be resistant to pests.

jellyfish

n. a marine creature with a soft, jelly-like body and tentacles for stinging

synonym: medusa, sea nettle, moon jelly

(1) spineless **jellyfish**, (2) **jellyfish** sting

The beach was filled with hundreds of **jellyfish**, so swimming was not recommended.

zebrafish

n. a small tropical fish species (*Danio rerio*) originating from Southeast Asia, commonly used in scientific research due to their transparent embryos, regenerative abilities, and genetic similarities to humans

synonym: danio rerio, zebrafish model

(1) **zebrafish** larvae, (2) **zebrafish** genome

Researchers often create **zebrafish** mutants to model and study human genetic disorders.

atavism

n. the reappearance or recurrence of a trait, characteristic, or behavior that is typical of a remote ancestor and not present in the immediate parent or recent ancestors; a throwback to an earlier or ancestral form

synonym: throwback, regression, reversion

(1) genetic **atavism**, (2) **atavism** trait

Modern architects sometimes incorporate **atavism** into their designs by reintroducing ancient building techniques.

ancestral

adj. related to or connected with members of your family from the past

synonym: hereditary, inherited, patrimonial

(1) an **ancestral** graveyard, (2) **ancestral** roots

The **ancestral** home has been in the family for generations.

glowing

adj. highly enthusiastic; greatly praised

synonym : burning, bright, flaming

(1) **glowing** reviews, (2) **glowing** cheeks

The western sky was **glowing** pink.

genesis

n. the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind

synonym : beginning, creation, provenance

(1) the **genesis** of civilization, (2) in the Book of **Genesis**

The politician's remarks became the **genesis** of the clash between the two countries.

claw

n. a curved, pointed appendage found on the foot or leg of an animal, used for gripping or grasping; a human hand with long, narrow fingers that are curved like a claw; a machine or tool with a claw-like opening used for gripping or lifting objects

synonym : paw, talon, nail

(1) **claw** marks, (2) **claw** hammer

The bear used its **claw** to catch a fish in the river.

archaeopteryx

n. a prehistoric bird that lived during the late Jurassic period and is considered an intermediate fossil between ancient non-avian dinosaurs and modern birds

synonym : prehistoric bird, ancient bird, dinosaur-bird

(1) **archaeopteryx** specimen, (2) **archaeopteryx** skeleton

The discovery of the **Archaeopteryx** fossil provided groundbreaking evidence of the link between reptiles and birds.

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.

fuse

n. a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat

synonym: (verb) melt, (verb) blend

(1) **fuse** blows, (2) **fuse** with one another

He has a short **fuse**.

hatch

v. to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage

synonym: incubate, breed, produce

(1) **hatch** a plan, (2) **hatch** a baby chick

The eggs began to **hatch**, and the small chicks emerged.

rudimentary

adj. relating to basic facts or principles; fundamental

synonym: essential, fundamental, elementary

(1) a **rudimentary** plant, (2) **rudimentary** understanding

He has only a **rudimentary** knowledge of this topic.

reabsorption

n. the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation

(1) **reabsorption** of water, (2) glucose **reabsorption**

The tubules are responsible for the **reabsorption** of sodium once filtered by the kidneys.

colonel

n. a military rank above a lieutenant colonel and below a general

synonym: officer, military, ranking officer

(1) **colonel** rank, (2) brevet **colonel**

The Army **colonel** led the troops into battle.

Session 2: Spelling

1. tra_____ic organism
adj. relating to or characterized by the transfer of genes from one species to another, typically done in genetic engineering and biotechnology
2. chicken th__h
n. the part of the human leg between the hip and the knee; in animals, the corresponding upper part of the hind leg
3. gl_____g reviews
adj. highly enthusiastic; greatly praised
4. s_p flow
v. to gradually weaken or drain strength, energy, or resources; to undermine or impair someone's confidence or morale
5. an an_____al graveyard
adj. related to or connected with members of your family from the past
6. ha__h a baby chick
v. to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage
7. pal_____ogy museum
n. the study of fossils and the history of life on Earth
8. f__e blows
n. a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat
9. gl_____g cheeks
adj. highly enthusiastic; greatly praised
10. political blo_____er
n. a small animal that feeds on blood, like a leech or a mosquito; a person who is seen as exploiting or taking advantage of others

ANSWERS: 1. transgenic, 2. thigh, 3. glowing, 4. sap, 5. ancestral, 6. hatch, 7. paleontology, 8. fuse, 9. glowing, 10. bloodsucker

11. det_____te at a slow pace *v.* to become worse in quality; to decline or degenerate
12. je_____sh sting *n.* a marine creature with a soft, jelly-like body and tentacles for stinging
13. de___t a scene *v.* to illustrate someone or something in a photograph
14. mo_____to repellent *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
15. mature os_____te *n.* a specialized bone cell that is embedded in the mineralized matrix of bone tissue, responsible for the maintenance, repair, and remodeling of bone
16. ha__h a plan *v.* to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage
17. lactic acid bu_____p *n.* the accumulation or increase of something over time
18. cl___y robot *adj.* heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement
19. s_p strength *v.* to gradually weaken or drain strength, energy, or resources; to undermine or impair someone's confidence or morale
20. th__h muscle *n.* the part of the human leg between the hip and the knee; in animals, the corresponding upper part of the hind leg

ANSWERS: 11. deteriorate, 12. jellyfish, 13. depict, 14. mosquito, 15. osteocyte, 16. hatch, 17. buildup, 18. clunky, 19. sap, 20. thigh

21. genetic at_____m *n.* the reappearance or recurrence of a trait, characteristic, or behavior that is typical of a remote ancestor and not present in the immediate parent or recent ancestors; a throwback to an earlier or ancestral form
22. at_____m trait *n.* the reappearance or recurrence of a trait, characteristic, or behavior that is typical of a remote ancestor and not present in the immediate parent or recent ancestors; a throwback to an earlier or ancestral form
23. a rud_____ry plant *adj.* relating to basic facts or principles; fundamental
24. co_____l rank *n.* a military rank above a lieutenant colonel and below a general
25. pe_____y into stone *v.* to turn to stone; to make hard and unyielding
26. glucose rea_____ion *n.* the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation
27. the ge_____s of civilization *n.* the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind
28. arc_____ryx skeleton *n.* a prehistoric bird that lived during the late Jurassic period and is considered an intermediate fossil between ancient non-avian dinosaurs and modern birds

ANSWERS: 21. atavism, 22. atavism, 23. rudimentary, 24. colonel, 25. petrify, 26. reabsorption, 27. genesis, 28. archaeopteryx

29. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
30. hem_____in level *n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body
31. 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
32. os_____te function *n.* a specialized bone cell that is embedded in the mineralized matrix of bone tissue, responsible for the maintenance, repair, and remodeling of bone
33. in the Book of Ge_____s *n.* the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind
34. cl___y phrasing *adj.* heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement
35. rea_____ion of water *n.* the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation
36. co_____en production *n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues

ANSWERS: 29. determinant, 30. hemoglobin, 31. fossilized, 32. osteocyte, 33. genesis, 34. clunky, 35. reabsorption, 36. collagen

37. ze_____sh larvae *n.* a small tropical fish species (Danio rerio) originating from Southeast Asia, commonly used in scientific research due to their transparent embryos, regenerative abilities, and genetic similarities to humans
38. fossil re_____e *n.* a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles
39. co_____re his ruin *v.* to plan or plot together secretly, especially with an evil or unlawful purpose
40. me_____a function *n.* the innermost part of an organ or structure, especially the spinal cord or brainstem; part of the brain responsible for controlling vital bodily functions such as breathing and heart rate
41. av__n influenza *adj.* relating to or characteristic of birds
42. student with dy_____ia *n.* a neurological condition that affects a person's ability to read, write, and spell, often despite normal or above-average intelligence, effective teaching, and adequate motivation, which is characterized by difficulty in the phonological coding of written words, poor phonological awareness, and poor reading fluency and decoding skills
43. 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

ANSWERS: 37. zebrafish, 38. reptile, 39. conspire, 40. medulla, 41. avian, 42. dyslexia, 43. pigeon

44. os____h eggs *n.* a large flightless bird native to Africa with a long neck, legs, and bill
45. in____t under the skin *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
46. hulking di____ur *n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
47. co____en supplement *n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues
48. det____te condition *v.* to become worse in quality; to decline or degenerate
49. 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
50. tra____ic technology *adj.* relating to or characterized by the transfer of genes from one species to another, typically done in genetic engineering and biotechnology
51. cl____fy images *v.* to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties

ANSWERS: 44. ostrich, 45. inject, 46. dinosaur, 47. collagen, 48. deteriorate, 49. pigeon, 50. transgenic, 51. classify

52. an_____al roots *adj.* related to or connected with members of your family from the past
53. northern hem_____re *n.* half of the terrestrial globe; half of a sphere
54. de____t a feeling of isolation *v.* to illustrate someone or something in a photograph
55. in____t a personal opinion into a debate *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
56. f__e with one another *n.* a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat
57. pe_____y with fear *v.* to turn to stone; to make hard and unyielding
58. a det_____nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
59. ze_____sh genome *n.* a small tropical fish species (Danio rerio) originating from Southeast Asia, commonly used in scientific research due to their transparent embryos, regenerative abilities, and genetic similarities to humans
60. fossilized Vel_____tor *n.* a small-to-medium-sized predatory dinosaur that lived during the Cretaceous period, known for its distinctive sickle-shaped claws and its agile and swift nature

ANSWERS: 52. ancestral, 53. hemisphere, 54. depict, 55. inject, 56. fuse, 57. petrify, 58. determinant, 59. zebrafish, 60. Velociraptor

61. c__w marks *n.* a curved, pointed appendage found on the foot or leg of an animal, used for gripping or grasping; a human hand with long, narrow fingers that are curved like a claw; a machine or tool with a claw-like opening used for gripping or lifting objects
62. co_____re to corner the market *v.* to plan or plot together secretly, especially with an evil or unlawful purpose
63. the h_m of a dress *n.* the edge or border of a piece of cloth, typically sewn to prevent fraying or unraveling; a small margin or border around something; (verb) to fold the edge of a piece of fabric and sew it down to create a neat and secure finish
64. abnormal hem_____in *n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body
65. rud_____ry understanding *adj.* relating to basic facts or principles; fundamental
66. c__w hammer *n.* a curved, pointed appendage found on the foot or leg of an animal, used for gripping or grasping; a human hand with long, narrow fingers that are curved like a claw; a machine or tool with a claw-like opening used for gripping or lifting objects
67. di_____ur fossil *n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin

ANSWERS: 61. claw, 62. conspire, 63. hem, 64. hemoglobin, 65. rudimentary, 66. claw, 67. dinosaur

68. spineless je_____sh *n.* a marine creature with a soft, jelly-like body and tentacles for stinging
69. hunting Vel_____tor *n.* a small-to-medium-sized predatory dinosaur that lived during the Cretaceous period, known for its distinctive sickle-shaped claws and its agile and swift nature
70. vertebrate pal_____ogy *n.* the study of fossils and the history of life on Earth
71. os_____h feathers *n.* a large flightless bird native to Africa with a long neck, legs, and bill
72. arc_____ryx specimen *n.* a prehistoric bird that lived during the late Jurassic period and is considered an intermediate fossil between ancient non-avian dinosaurs and modern birds
73. av__n habitat *adj.* relating to or characteristic of birds
74. cerebral hem_____re *n.* half of the terrestrial globe; half of a sphere
75. brevet co_____l *n.* a military rank above a lieutenant colonel and below a general
76. h_m the skirt *n.* the edge or border of a piece of cloth, typically sewn to prevent fraying or unraveling; a small margin or border around something; (verb) to fold the edge of a piece of fabric and sew it down to create a neat and secure finish
77. diagnosis of dy_____ia *n.* a neurological condition that affects a person's ability to read, write, and spell, often despite normal or above-average intelligence, effective teaching, and adequate motivation, which is characterized by difficulty in the phonological coding of written words, poor phonological awareness, and poor reading fluency and decoding skills

ANSWERS: 68. jellyfish, 69. Velociraptor, 70. paleontology, 71. ostrich, 72. archaeopteryx, 73. avian, 74. hemisphere, 75. colonel, 76. hem, 77. dyslexia

78. huge military bu____p *n.* the accumulation or increase of something over time
79. long-ex____t volcano *adj.* no longer in existence
80. blo____er mosquito *n.* a small animal that feeds on blood, like a leech or a mosquito; a person who is seen as exploiting or taking advantage of others
81. cl____fy emails into folders *v.* to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties
82. ex____t by human activity *adj.* no longer in existence
83. mo____to bite *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
84. adrenal me____a *n.* the innermost part of an organ or structure, especially the spinal cord or brainstem; part of the brain responsible for controlling vital bodily functions such as breathing and heart rate
85. 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
86. 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: 78. buildup, 79. extinct, 80. bloodsucker, 81. classify, 82. extinct, 83. mosquito, 84. medulla, 85. fossilized, 86. reptile

ANSWERS:

Session 3: Fill in the Blanks

1. The bear used its _____ to catch a fish in the river.
 - n.* a curved, pointed appendage found on the foot or leg of an animal, used for gripping or grasping; a human hand with long, narrow fingers that are curved like a claw; a machine or tool with a claw-like opening used for gripping or lifting objects

2. The western sky was _____ pink.
 - adj.* highly enthusiastic; greatly praised

3. The _____ gene mutation can cause genetic disorders such as sickle cell disease.
 - n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body

4. 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

5. The disease has _____ all his energy, and he can barely get out of bed.
 - v.* to gradually weaken or drain strength, energy, or resources; to undermine or impair someone's confidence or morale

6. A stagnant water area are breeding ground for _____.
 - n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

7. One _____ of success is having a positive attitude and a strong work ethic.
 - n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

ANSWERS: 1. claw, 2. glowing, 3. hemoglobin, 4. fossilized, 5. sapped, 6. mosquitos, 7. determinant

8. The farmers raise _____ for their meat, eggs, and feathers.
n. a large flightless bird native to Africa with a long neck, legs, and bill
9. This weather pattern is unique to the southern _____.
n. half of the terrestrial globe; half of a sphere
10. Modern architects sometimes incorporate _____ into their designs by reintroducing ancient building techniques.
n. the reappearance or recurrence of a trait, characteristic, or behavior that is typical of a remote ancestor and not present in the immediate parent or recent ancestors; a throwback to an earlier or ancestral form
11. The lobbyist was accused of being a _____ using his influence to push through policies that only benefited his clients.
n. a small animal that feeds on blood, like a leech or a mosquito; a person who is seen as exploiting or taking advantage of others
12. The group of friends _____ to pull a prank on their teacher.
v. to plan or plot together secretly, especially with an evil or unlawful purpose
13. Many species have become _____ due to habitat destruction and other human activities.
adj. no longer in existence
14. 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
15. The beach was filled with hundreds of _____ so swimming was not recommended.
n. a marine creature with a soft, jelly-like body and tentacles for stinging

ANSWERS: 8. ostriches, 9. hemisphere, 10. atavism, 11. bloodsucker, 12. conspired, 13. extinct, 14. pigeon, 15. jellyfish,

16. The eggs began to _____ and the small chicks emerged.
- v.* to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage
17. The marathon runner felt a cramp in her _____ at the 20th mile.
- n.* the part of the human leg between the hip and the knee; in animals, the corresponding upper part of the hind leg
18. He has only a _____ knowledge of this topic.
- adj.* relating to basic facts or principles; fundamental
19. Let's try to _____ a bit of enthusiasm into your performance.
- v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
20. The _____ length of her dress was perfect for the evening event.
- n.* the edge or border of a piece of cloth, typically sewn to prevent fraying or unraveling; a small margin or border around something; (verb) to fold the edge of a piece of fabric and sew it down to create a neat and secure finish
21. The _____ of stress over time can lead to health problems.
- n.* the accumulation or increase of something over time
22. The network of _____ within the bone tissue allows for the exchange of nutrients and waste products.
- n.* a specialized bone cell that is embedded in the mineralized matrix of bone tissue, responsible for the maintenance, repair, and remodeling of bone
23. 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: 16. hatch, 17. thigh, 18. rudimentary, 19. inject, 20. hem, 21. buildup, 22. osteocytes, 23. dinosaur

24. Our natural _____ production decreases as we age, leading to wrinkles, sagging skin, and joint pain.
- n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues
25. The thought of public speaking will _____ her.
- v.* to turn to stone; to make hard and unyielding
26. The Army _____ led the troops into battle.
- n.* a military rank above a lieutenant colonel and below a general
27. Educators need to understand how _____ affects students' reading abilities.
- n.* a neurological condition that affects a person's ability to read, write, and spell, often despite normal or above-average intelligence, effective teaching, and adequate motivation, which is characterized by difficulty in the phonological coding of written words, poor phonological awareness, and poor reading fluency and decoding skills
28. The patient's health _____ rapidly after being diagnosed with the disease.
- v.* to become worse in quality; to decline or degenerate
29. His son had accurately _____ the bloom.
- v.* to illustrate someone or something in a photograph
30. Researchers often create _____ mutants to model and study human genetic disorders.
- n.* a small tropical fish species (*Danio rerio*) originating from Southeast Asia, commonly used in scientific research due to their transparent embryos, regenerative abilities, and genetic similarities to humans

ANSWERS: 24. collagen, 25. petrify, 26. colonel, 27. dyslexia, 28. deteriorated, 29. depicted, 30. zebrafish

31. Refined character portrayal makes up for _____ gameplay.

adj. heavy, awkward, and old-fashioned; not graceful and clumsy in style, form, or movement

32. 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

33. I need to _____ these documents for the upcoming audit.

v. to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties

34. The _____ crops were genetically modified to be resistant to pests.

adj. relating to or characterized by the transfer of genes from one species to another, typically done in genetic engineering and biotechnology

35. The tubules are responsible for the _____ of sodium once filtered by the kidneys.

n. the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation

36. The _____ oblongata regulates vital functions such as breathing and heart rate.

n. the innermost part of an organ or structure, especially the spinal cord or brainstem; part of the brain responsible for controlling vital bodily functions such as breathing and heart rate

37. The _____ home has been in the family for generations.

adj. related to or connected with members of your family from the past

ANSWERS: 31. clunky, 32. reptile, 33. classify, 34. transgenic, 35. reabsorption, 36. medulla, 37. ancestral

38. The discovery of the _____ fossil provided groundbreaking evidence of the link between reptiles and birds.
- n.* a prehistoric bird that lived during the late Jurassic period and is considered an intermediate fossil between ancient non-avian dinosaurs and modern birds
39. The museum's newest exhibit features a complete _____ skeleton, drawing crowds of eager paleontology enthusiasts.
- n.* a small-to-medium-sized predatory dinosaur that lived during the Cretaceous period, known for its distinctive sickle-shaped claws and its agile and swift nature
40. He has a short _____.
- n.* a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat
41. The expert on _____ species studied the behavior of different types of birds.
- adj.* relating to or characteristic of birds
42. The politician's remarks became the _____ of the clash between the two countries.
- n.* the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind
43. 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

ANSWERS: 38. Archaeopteryx, 39. Velociraptor, 40. fuse, 41. avian, 42. genesis, 43. paleontology