Name: _____

Date: _____ Grade: _____

Natural Science Mysteries

CHAPTER 5 TEST

Congratulations on completing this chapter! ***Answer the following questions to test your understanding of the material. When you finish, hand in your test to your teacher for a final grade. Each answer is worth 2 points.***

Multiple Choice: Choose the correct answer.

1. An animal that depends upon external conditions to control its body temperature is: _____.
   (a) always cold (b) insensitive (c) cold-blooded (d) warm-blooded

2. A fish constantly takes in _____ through its mouth and expels _____ through its gills.
   (a) oxygen, carbon dioxide (c) carbon dioxide, oxygen
   (b) oxygen, nitrogen (d) nitrogen, carbon dioxide

3. Which of the following causes variation in the length of daylight hours during different seasons? _____
   (a) the position of the Moon (c) the phase of the Moon
   (b) the tilt of the Earth on its axis (d) the brightness of the Sun

4. All of the following are vertebrates, **EXCEPT**: _____.
   (a) fish (b) birds (c) reptiles (d) insects

5. Snake venom impairs the ability of the blood to carry: _____.
   (a) red blood cells (b) oxygen (c) hemoglobin (d) carbon dioxide

6. Molting occurs when: _____.
   (a) new feathers grow in to replace frayed, worn feathers
   (b) a bird loses its feathers for the summer
   (c) feathers change color to blend in with a new environment
   (d) mold begins to grow on the feathers of a bird

7. How many amino acids are animals able to produce? _____
   (a) twenty (c) eleven
   (b) all of the essential amino acids (d) nine

8. _____ is needed in the body to digest milk sugar.
   (a) lactase (b) lactose (c) glucose (d) protein

9. A(n) _____eats both plant and animal foods.
   (a) herbivore (b) carnivore (c) omnivore (d) insectivore

10. The only marsupial native to North America is the: _____.
    (a) rat kangaroo (b) opossum (c) kangaroo (d) marmot

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11. Which of the following is the correct order for the classification of living things?

    _____

    (a) kingdom, class, phylum, order, family, genus, species
    (b) kingdom, phylum, order, class, family, genus, species
    (c) kingdom, phylum, class, family, order, genus, species
    (d) kingdom, phylum, class, order, family, genus, species

12. A complete protein contains _____ essential amino acids.
    (a) eleven (b) all twenty (c) nine (d) sixteen

13. HIV is the virus that causes: _____.
    (a) hepatitis C (b) the common cold (c) hepatitis B (d) AIDS

14. An animal that eats insects is **BEST** known as a(n): _____.
    (a) herbivore (b) omnivore (c) insectivore (d) carnivore

15. Most fossils are formed when: _____.
    (a) animal bodies are hidden in sand from predators
    (b) bodies are allowed to decay slowly at first
    (c) bones are sun-bleached, then covered with sand
    (d) animals are buried rapidly in mud that is full of minerals

Matching:

16. _____ Uncertainty Principle
17. _____ Meteorite Theory
18. _____ Louis Agassiz
19. _____ Theory of Evolution
20. _____ Charles Darwin
21. _____ Piltdown Man
22. _____ Cataclysmic Flood Theory
23. _____ Ice Age Theory
24. _____ William Gilbert
25. _____ scientific method

(a) life came into being from non-living matter and gradually changed into all life forms present today

(b) transitional form between apes and man, found to be a hoax

(c) "Father of Evolution," published *Origin of Species*

(d) Werner Heisenberg awarded Nobel Prize for showing that science does not have all the answers

(e) famous Swiss-American biologist, geologist; "Father of Glaciology"

(f) proposed by geology teacher Walter Alvarez as reason for dinosaur extinction

(g) dinosaurs became extinct because they could not survive the intense cold

(h) logical explanation for worldwide fossil graveyards and contorted positions of fossilized animals

(i) a means of seeking truth; involves research, observation, experimentation, testing theories

(j) one of first originators of the scientific method, studied magnetism, proved garlic did not affect a compass

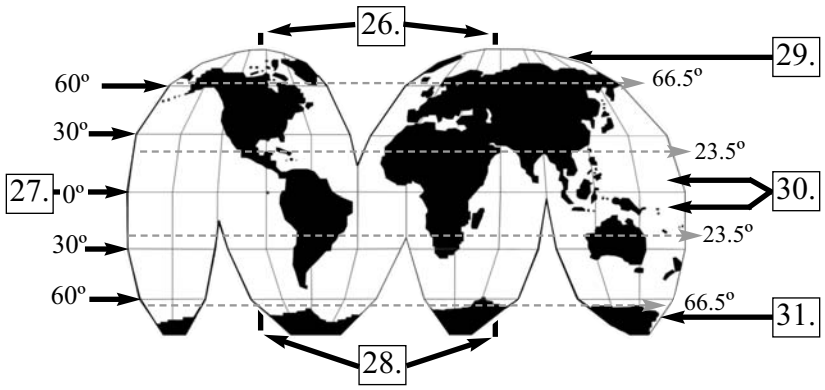
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Fill in the blank: Choose the correct word from the WORD BANK.

WORD BANK

North Temperate Zone	Antarctic Frigid Zone	Arctic Frigid Zone
South Pole	South Temperate Zone	Tropics
Equator	North Pole	

26. _____
27. _____
28. _____
29. _____
30. _____
31. _____



Matching:

32. _____ newt
33. _____ blue whale
34. _____ koala
35. _____ salamander
36. _____ shrew
37. _____ kangaroo
38. _____ King Cobra
39. _____ lizard
40. _____ marsupial
41. _____ a South American bat

(a) amphibian, hatched in water, lives on land near water

(b) salamander whose toxic skin can kill predators

(c) carries baby in a stomach pouch

(d) largest venomous snake in the world

(e) shortest lifespan of any mammal, eats constantly

(f) smallest mammal

(g) largest mammal

(h) climbs trees, eats eucalyptus leaves, sometimes called a bear, native of Australia

(i) reptile with an elongated body, scales, eyelids, four legs and claws

(j) species comes in small, medium, and large sizes; all hop on hind legs

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True or False: Write the correct answer.

42. _____ The Theory of Evolution is supported by transitional fossil evidence.

43. _____ A designist believers that life was purposefully designed by a superior intelligence.

44. _____ Heisenberg's Uncertainty Principle revealed that not all questions could be answered with scientific methods.

45. _____ Scientists who do not experiment with data and observe events to produce evidence for a theory pursue things that may not exist.

Write the letter of the statement which gives the best meaning or lesson for each Life Principle.

46. "*Truth is the best response to accusations or questions."* _____
    (a) It is all right to accuse someone if you are truthful.
    (b) It is best to tell the truth if you are accused of something or asked questions about a thing.
    (c) Telling the truth will always keep you from being punished.

47. *"You can lead an animal to water, but you can't make it drink."* _____
    (a) You cannot force anyone to take advantage of opportunities.
    (b) You should not try to lead people because they won't cooperate.
    (c) People do not appreciate what you try to do for them.

48. *"The frog does not drink up the pond in which he lives."* _____
    (a) A wise person does not live near frogs that drink too much.
    (b) A wise person is not careless with his resources.
    (c) A wise person chooses a situation with unlimited resources so he never runs out.

49. *"Milk the cow which is near. Why pursue the one that runs away?"* _____
    (a) Chasing runaway cows is a waste of time.
    (b) Milk the cows that are close by; do not chase others.
    (c) Take advantage of opportunities that are near at hand instead of spending energy on distant uncertainties.

50. *"Life is as the flash of a firefly in the night, the breath of the buffalo in winter time."* _____
    (a) Life is like flashy fireflies and snorting buffalo.
    (b) Life can be compared to things in nature.
    (c) Life is very short—like a flash or a breath—then it's gone (so live it wisely).

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