Name: _____

Date: _____ Grade: _____

SECTION QUIZ 5-3



Remember:
Score an average of 85% or higher on all three quizzes, and you may be exempt from the chapter test!



Congratulations! You have completed this section!
Answer the following questions to test your understanding of the material. When you are finished, hand in your quiz to your teacher. Each answer is worth 2.0 points.

Matching:

1. _____ Dinosaur
2. _____ Mesozoic Era
3. _____ Ice Age
4. _____ dragon
5. _____ Brontosaurus
6. _____ Geologic column
7. _____ Law of Superposition
8. _____ Circular reasoning
9. _____ Young Earth Theory
10. _____ Geologic time scale

(a) the time period of great glaciers over a third of the world when many dinosaurs probably became extinct

(b) the time period some scientists believe dinosaurs appeared

(c) old term for dinosaur

(d) "terrible lizard," 1841

(e) Earth's oldest layers are bottom layers, youngest layers are on top unless disturbed by floods, earthquakes or volcanoes

(f) Earth is less than 10,000 years old

(g) suggested vertical arrangement of rock layers used in dating fossils

(h) organizes geologic column into four eras covering billions of years, terms *column* and *time scale* used interchangeably

(i) rock layers are dated by their fossils and fossils are dated by the rock layers in which they occur

(j) the dinosaur which never existed

Choose the correct words.

11. The theory that dates rock layers by the fossils, and fossils by the rock layers is (weakened, strengthened) by simple as well as complex organisms being found in the same layers. _____

12. Thousands of species have become (recycled, endangered/extinct) due to natural causes, habitat destruction and over-hunting. _____

13. When harmful substances are released into the (environment, outer space) humans as well as animals are affected negatively. _____

14. Substances such as mercury or oil can create environmental (resources, hazards) for birds and ocean life. _____

15. Incineration and composting can be effective ways of some waste (disposal, recycling). _____

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Multiple Choice: Choose the correct answer.

16. Select the fossil location that best supports the Theory of Evolution: _____ _____.
    (a) a fossil of a fish would be buried above a fossil of a mammal
    (b) a fossil of a fish would be buried in the same layer as a mammal
    (c) a fossil of a fish would be buried below a fossil of a mammal
    (d) a fossil of a fish would be buried close to the surface of the Earth

17. The chief cause(s) of extinction of thousands of animal species in recent times is (are): _____.
    (a) disease and old age
    (b) habitat destruction, over-hunting
    (c) natural disasters
    (d) lack of food

18. What question is being addressed with these discoveries: unfossilized Tyrannosaurus Rex bones with red blood cells; petroglyphs, written accounts and sightings of dinosaur-like creatures; fossilized human footprints inside and alongside dinosaur prints? _____ _____
    (a) Why are dinosaurs so large?
    (b) Why did dinosaurs become extinct?
    (c) Why do we find so few complete dinosaur skeletons?
    (d) When did dinosaurs live?

19. What question is being asked that would receive conjectures such as these: a meteorite collided with Earth, dinosaurs had tiny brains, dinosaur eggs were eaten, a worldwide flood occurred? _____
    (a) Why are dinosaurs so large?
    (b) Why did dinosaurs become extinct?
    (c) Why do we find so few complete dinosaur skeletons?
    (d) When did dinosaurs live?

20. What do these animals have in common: dinosaurs, dodo birds and passenger pigeons? _____
    (a) They are all considered to be endangered.
    (b) They are all mammals.
    (c) They are all considered to be extinct.
    (d) They are all meat-eaters.

21. What does the Endangered Species Act do? _____ _____
    (a) It identifies extinct animals.
    (b) It protects animals that are extinct.
    (c) It provides for a "red list" that identifies animals in danger of becoming extinct.
    (d) It protects animals that are in danger of becoming extinct.

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22. What happens if a species is eliminated? _____
_____
(a) They are put on the endangered species "red list."
(b) There is a break in the food chain.
(c) They are subject to being prosecuted under Endangered Species Act.
(d) both a and c

23. What do smog, acid rain and dumping of chemicals (such as mercury) have in common?
_____
(a) They are all hazardous to the air we breathe.
(b) They are all hazardous to our water supply.
(c) They are all hazardous to the land and affect vegetation.
(d) They are all pollutants and health hazards.

24. Archimedes' Principle of buoyancy documents: _____
_____.
(a) the relationship between an object and the air it displaces
(b) the relationship between an object and the water it displaces
(c) the relationship between rivers and the ocean water they displace
(d) the relationship between streams and the river water they displace

25. A river delta is (a): _____.
(a) large sediment deposit at the mouth of a river
(b) process by which rivers deposit sediment
(c) an item that floats and is carried by a river
(d) land area that contributes water to the stream, also called a drainage basin

Use the following table to answer questions #26-27.

Dinosaur Discoveries

What	Where	When	Dinosaur
dinosaur eggs	Mongolia	1922	Protoceratops
fossilized babies	Montana	1978	Maiasaura

26. When were the Protoceratops dinosaur eggs discovered? _____

27. What was discovered in Montana? _____

Complete the Life Principles.

28. *"_____ is always strange; stranger than fiction."*

29. *"_____ keeps good habits in your life from becoming extinct."*

30. *"Your talents and abilities become endangered or _____ if they are not used."*

31. *"An _____ is a valuable asset."*

32. *"When you feel yourself _____, call for help."*

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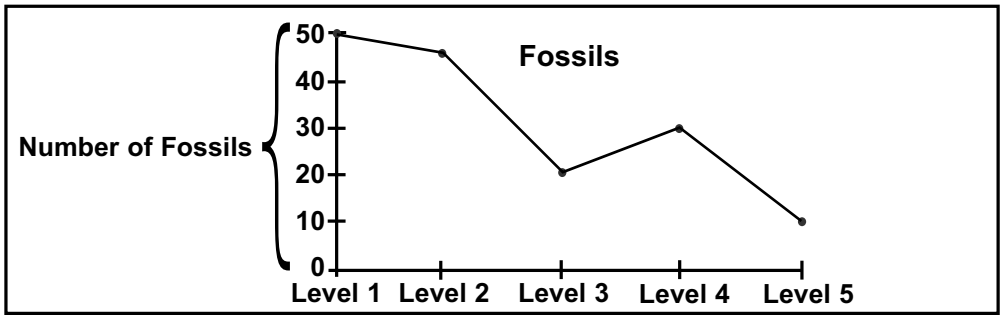
Use the following graph to answer questions #33-34.

Fossil Data		
Location	**Depth**	**Fossils Found**
Site 1	5 feet	10
Site 2	10 feet	20
Site 3	15 feet	50

33. What is the depth of Site 3? _____

34. How many fossils were found at a depth of 5 feet? _____

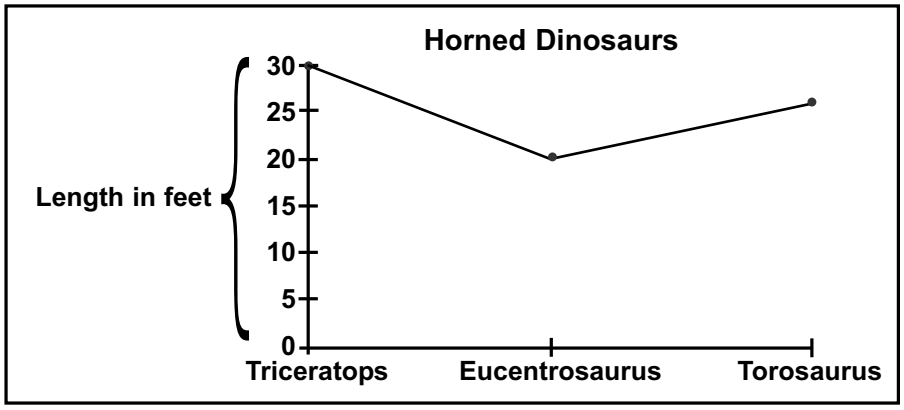
Use the following table to answer questions #35-36.



35. At which level were 20 fossils discovered? _____

36. At which level were the least amount of fossils discovered? _____

Use the following graph to answer questions #37-38.



37. How long was the Eucentrosaurus? _____

38. Which dinosaur was the longest? _____

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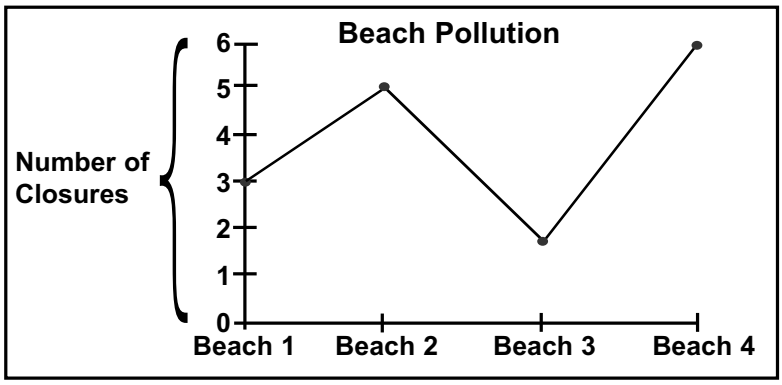
Use the following table to answer questions #39-40.

Some of the Mammals on the "Red List"		
Species	**Location**	**Reasons for Decline**
Cheetah	Africa to India	habitat destruction and fur trade
Elephant, Asian	South Central and Southeast Asia	habitat destruction
Gorilla	Central and Western Africa	habitat destruction
Leopard, Snow	Central Asia	over-hunting for its fur
Panda, Giant	China	restriction habitat
Rhinoceros, Black	South of Sahara in Africa	habitat destruction, over-hunting for horns
Tiger	Temperate and tropical Asia	habit destruction, hunting for sport
Whale, Blue	Oceans	commercial hunting

39. Which animal is hunted for sport? _____

40. Which animal lives in Central and Western Africa? _____

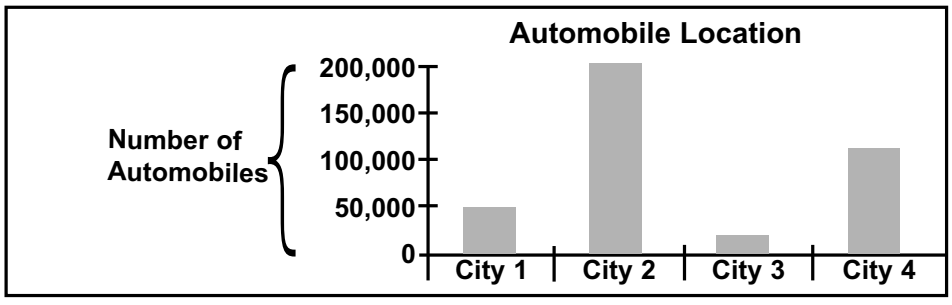
Use the following graph to answer questions #41-42.



41. How many times was Beach #1 closed because of pollution? _____

42. Which beach was closed six times? _____

Use the following bar graph to answer questions #43-44.



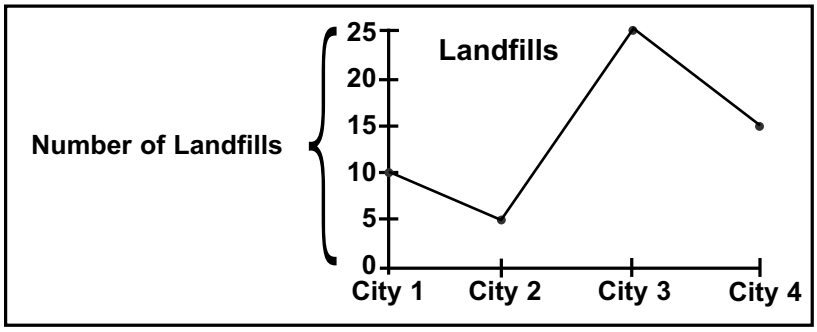
43. Which city should have the most problem with smog? _____

44. Which city should have the least problem with smog? _____

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Use the following graph to answer questions #45-46.



45. Which city should have the largest population? _____

46. Which city should have the smallest population? _____

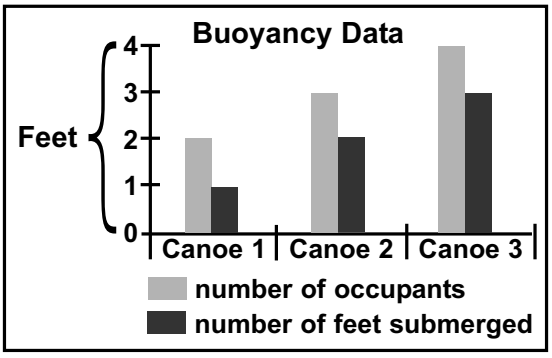
Use the following table to answer questions #47-48.

Recycling Project		
School	**Aluminum Cans**	**Newspapers**
#1	20 pounds	75 pounds
#2	30 pounds	40 pounds
#3	15 pounds	25 pounds
#4	10 pounds	40 pounds

47. Which school brought in the most aluminum cans? _____

48. Which school brought in 75 pounds of newspaper? _____

Use the following graph to answer questions #49-50.



49. Which canoe has the most occupants? _____

50. What conclusion can you draw regarding the number of occupants and the level at which the canoes are submerged? _____

(a) The heavier the load, the lower the canoe sits in the water.
(b) The heavier the load, the higher the canoe sits in the water.
(c) The lighter the load, the lower the canoe sits in the water.

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