Name: _____

Date: _____ Grade: _____

SECTION QUIZ 5-2



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.

Match the terms:

1. _____ Magma
2. _____ Mantle
3. _____ Lava
4. _____ Molten rock
5. _____ seismograph
6. _____ epicenter
7. _____ eye
8. _____ magnitude

(a) melted rocks
(b) melted rocks and trapped gases beneath Earth's surface
(c) melted rocks and trapped gases on Earth's surface
(d) layer of Earth between the crust and the core
(e) earthquake center on Earth's surface
(f) strength of an earthquake
(g) an instrument used to record and measure earthquake waves
(h) center of a hurricane

Match the volcanoes:

9. _____ Mt. St. Helens
10. _____ Mt. Paricutin
11. _____ Mt. Vesuvius
12. _____ Mt. Kilauea

(a) buried the city of Pompeii, Italy in 79 A.D.
(b) in Mexico, geologists watched its formation grow to 1,500 feet high in less than a year
(c) world's most active volcano, located in Hawaii
(d) in Washington state, USA; proved massive forces could carve out canyons and deposit hundreds of feet of sediment in a short time

Multiple Choice: Choose the correct answer.

13. Which phrase is associated with an earthquake? _____
    (a) eruption (b) sudden shifting (c) explosion (d) wind speed

14. The perfect setting for a hurricane consists of _____ velocity winds swirling around a _____ pressure center over a large expanse of _____ ocean water.
    (a) high, low, warm
    (b) low, high, warm
    (c) high, low, cool
    (d) low, high, cool

15. Hurricane-type storms are classified according to:
    (a) boy's names (b) girl's names (c) place of origin (d) both a and b

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16. (A) _____ charges rain and soil with _____ which makes healthier vegetation.
    (a) tornado, oxygen (c) thunder, nitrogen
    (b) lightning, nitrogen (d) cyclone, argon

17. A _____ means you should take cover immediately.
    (a) weather advisory (b) tornado warning (c) tornado watch

Match the terms:

18. _____ typhoon
19. _____ cyclone
20. _____ hurricane
21. _____ tornado

(a) forms over land in areas of strong wind rotation, produces funnel cloud, most common in midwestern United States

(b) largest storm on Earth, with swirling winds over 74 mph, forms over oceans, weakens when it comes ashore

(c) a hurricane type violent storm originating over the South Pacific and Indian Oceans

(d) a hurricane type violent storm system originating over the North and Western parts of the Pacific Ocean

Match the terms:

22. _____ Fossils
23. _____ Paleontologists
24. _____ Archaeologists
25. _____ "missing links"

(a) recover and study artifacts of past human cultures
(b) theoretical transition life forms showing simple organisms changing into more complex organisms
(c) recover and study fossilized remains of prehistoric, geologic times
(d) remains of once-living things

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

Magnitude	
Richter Scale	**Description**
2.5	generally not felt, but recorded on seismograph
3.5	felt by many people
4.5	some local damage may occur
5	moderate
6	destructive
7	major
8 and up	great

26. What is the description of an earthquake measuring 4.5 on the Richter Scale?

    _____

27. What is the Richter Scale measurement for a major earthquake? _____

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Complete the Life Principles.

28. *"A wise person _____ good advice."*
29. *"Strong _____ help us to withstand the storms of life."*
30. *"In times of turbulence, hold tight to what you know is _____."*
31. *"A wise person recognizes danger and takes proper _____."*
32. *"A look to the past can help give _____ for today."*

Use the following table to answer questions #33-35.

Eruptions and Formations	
Description of Eruption	**Description of Form**
quiet	shield volcano (gently sloping sides)
explosive	cinder cone volcano (steep sides, loosely packed)
alternating quiet and explosive	composite (sides formed of layers of lava alternated with layers of cinder and ash

33. Which statement is correct? _____

_____

(a) The form of a volcano is produced by the nature of its eruption.
(b) The form of a volcano is not related to the nature of its eruption.

34. Which form of volcano has steep sides with loosely packed material?

_____

35. Which form of volcano can be described as having gently sloping sides?

_____

Use the following table to answer question #36-37.

Fujita Scale for Tornadoes		
F-scale number	**Intensity phrase**	**Wind speed**
F-0	Gale tornado	40-72 mph
F-1	Moderate tornado	73-112 mph
F-2	Significant tornado	113-157 mph
F-3	Severe tornado	158-206 mph
F-4	Devastating tornado	207-260 mph
F-5	Incredible tornado	261-318 mph

36. What is the wind speed range of an F-2 tornado? _____
37. What is the F-scale ranking of a severe tornado? _____

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Use the following table to answer questions #38-39.

Earthquake Destruction			
Date	**Location**	**Magnitude**	**Loss of Lives**
1906	San Francisco	8.3	700
1985	Mexico City	8.1	7,000
1994	Los Angeles	6.7	57
1995	Kobe, Japan	7.2	4,000
1995	Russia	7.5	2,000

38. What was the location of the earthquake where 7,000 lives were lost? _____

39. What was the magnitude of the Los Angeles earthquake? _____

Use the following table to answer questions #40-41.

Staffir-Simpson Hurricane Scale	
Category	**Wind Speed**
1	74-95 mph
2	96-110 mph
3	111-130 mph
4	131-155 mph
5	above 155 mph

40. Which category indicates the strongest possible hurricane? _____

41. What is the wind speed of a Category 2 hurricane? _____

Use the following table to answer questions #42-43.

Examples of Destruction from Hurricanes in the USA			
Hurricane	**Date**	**Damage**	**Deaths**
Agnes	1972	$3 billion	134
Hugo	1989	$4 billion	50
Andrew	1992	$20 billion	50

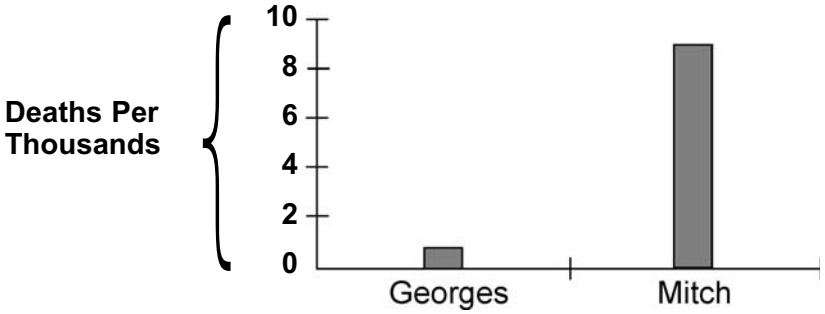
42. Which hurricane occurred in 1989? _____

43. How much damage did Hurricane Andrew cause? _____

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Use the following chart to answer questions #44-45.

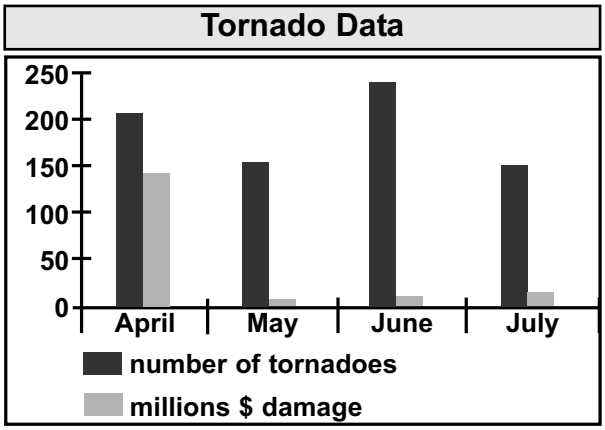


44. Which hurricane caused the least amount of deaths? _____

45. How many deaths did Hurricane Mitch cause? _____

(a) about 2,000 (c) about 9,000
(b) about 5,000 (d) about 12,000

Use the following bar graph to answer questions #46-47.



46. How many tornadoes occurred during the month of April? _____

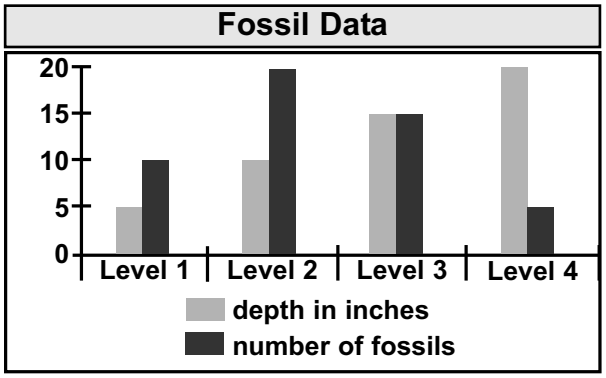
(a) about 100 (c) about 200
(b) about 150 (d) about 300

47. In which month did the least tornado damage occur? _____

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Use the following graph to answer questions #48-50.



48. How many fossils were discovered at Level 1? _____

49. How deep is Level 2? _____

50. Which level is the deepest? _____

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