

Name: _____

Date: _____

FIFTH GRADE-SCIENCE (SCIENCE5_2)

1. Which statement BEST describes ocean temperature?
 - A. Ocean temperature decreases with depth.
 - B. Ocean temperature increases with depth.
 - C. Ocean temperature is the same at all depths.
 - D. Ocean temperature increases with volcanic eruptions.

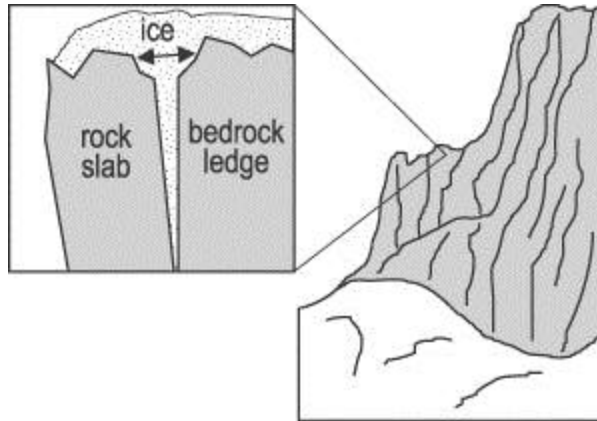
2. A valuable ocean resource that is obtained by evaporating ocean water is
 - A. coal.
 - B. iron.
 - C. oil.
 - D. salt.

3. On most ocean shorelines, the water rises slowly and covers the land twice a day. Then it slowly falls back. What is this movement called?
 - A. current
 - B. wave
 - C. tide
 - D. drift

4. Which technique makes farming possible in dry desert regions?
 - A. contour plowing
 - B. terracing
 - C. crop rotation
 - D. irrigation

5. Which of these statements about Earth's crust is true?
 - A. It is a layer of solid rock that remains the same throughout time.
 - B. It includes the continents, but not the ocean floor.
 - C. It is a changing, moving surface with the same thickness everywhere.
 - D. It is a system of large masses called plates that slowly move together or apart.

6.
Use the diagram below to answer this question.



The diagram shows frost wedging. This is an example of

- A. physical weathering.
 - B. chemical weathering.
 - C. deposition.
 - D. erosion.
-
7. Which conservation method would help prevent erosion of topsoil from a large field that is flat and unprotected?
- A. building windbreaks
 - B. dam construction
 - C. contour plowing
 - D. building terraces
-
8. Volcanoes are formed from
- A. hot gases pushing up through Earth's surface.
 - B. molten rock pushing up through Earth's surface.
 - C. large continental plates colliding with one another.
 - D. the rapid erosion of large mountain ranges.
-
9. Which ocean creature must spend much of its time near the water's surface?
- A. octopus
 - B. porpoise
 - C. sea urchin
 - D. shrimp
-
10. Which causes some parts of the ocean to be saltier than other parts?
- A. cruise ships
 - B. river sediments
 - C. fishing industry
 - D. ocean organisms
-

11. Where does most eroded soil end up?

- A. in new agricultural lands
- B. in the desert
- C. in the sediment of rivers
- D. in rock slides

12. Which is NOT an effect of sewage put into the ocean?

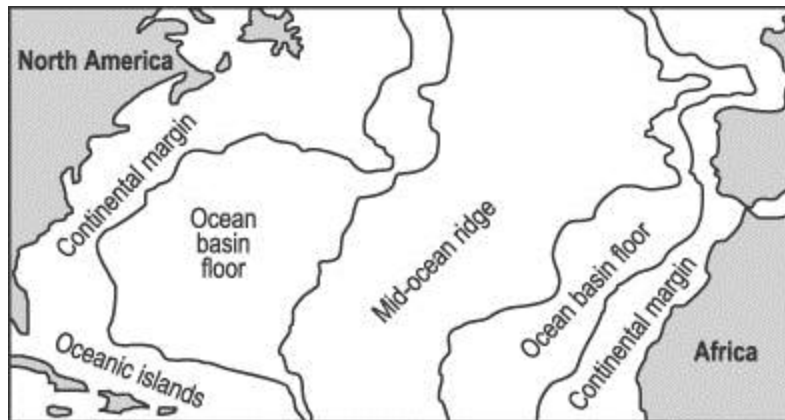
- A. growth of bacteria
- B. growth of algae
- C. growth of coral
- D. death of marine life

13. Which conditions are necessary for dust storms to occur?

- A. wet, humid conditions
- B. cold, cloudy conditions
- C. dry, windy conditions
- D. hot, moist conditions

14.

Use the map below to answer this question.



Based on the map, MOST sediments from the continents settle on the

- A. continental margin.
- B. ocean basin floor.
- C. mid-ocean ridge.
- D. oceanic islands.

15. A volcanic eruption eventually produces the mountain called a volcano because

- A. the crust expands due to the heat.
- B. the magma pressure lifts up the crust.
- C. the lava and ash collect.

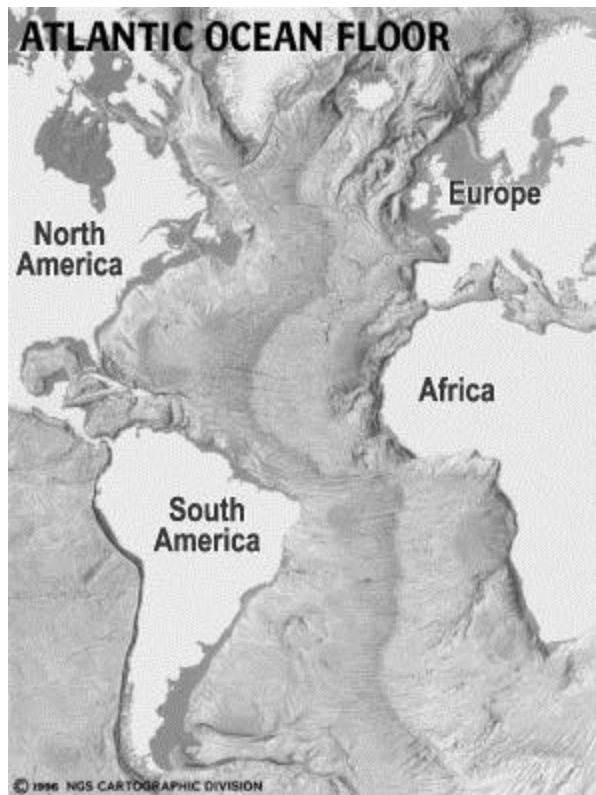
D. the plate motion folds the crust.

16. Which statement describes a volcano erupting?

- A. Glacier materials are moved by gravity.
- B. Magma is forced out of an opening in Earth's crust.
- C. Pressure in Earth's crust causes layers of rock to slide.
- D. Pressure in Earth's crust becomes so great that the layers of rock buckle and fold.

17.

Use the map below to answer this question.



The map shows part of the floor of the Atlantic Ocean, including the Mid-Atlantic Ridge. This ridge is where

- A. crustal plates dip into the interior.
- B. crustal plates are moving apart.
- C. crustal plates are colliding.
- D. the ocean floor is the oldest.

18. Which is a reason that fishing for some species of ocean fish is regulated by governments?

- A. Laws are needed to limit the growth of fish populations.
 - B. People who fish need to know where the fish are.
 - C. Fish species that are overfished could become extinct.
 - D. Laws prevent people who fish from polluting the ocean.
-

19. Which characteristic of oceans shows that they are in constant motion?
- A. their organisms
 - B. their shape
 - C. their depth
 - D. their tides
-

20. The Mississippi River deposits soil as it empties into the Gulf of Mexico. This example shows that
- A. rocks can dissolve in water.
 - B. flowing water carries soil from place to place.
 - C. salt water is denser than freshwater.
 - D. Earth's land area keeps growing.
-

21. When Jane was swimming in the ocean she got some water in her mouth. What is the MOST LIKELY reason that she quickly spit it out?
- A. The water was too cold.
 - B. The water tasted sour.
 - C. The water was very salty.
 - D. The water tasted bitter.
-

22. Which landform results when one of Earth's plates slides past another?
- A. faults
 - B. plateaus
 - C. mountains
 - D. deltas
-

23. The time it takes for a mountain range to form is
- A. less than 10 years.
 - B. between 10 and 50 years.
 - C. between 50 and 100 years.
 - D. more than 100 years.
-

24. The constant motion of ocean water is partly due to
- A. sandbars.
 - B. sand dunes.
 - C. ocean currents.
 - D. ocean organisms.
-

25. The natural process of rocks gradually breaking up and being worn away over time is known as

- A. weathering.
- B. cementing.
- C. sedimentation.
- D. melting.

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(Answer Key)

1. Ocean temperature decreases with depth.
2. salt.
3. tide
4. irrigation
5. It is a system of large masses called plates that slowly move together or apart.
6. physical weathering.
7. building windbreaks
8. molten rock pushing up through Earth's surface.
9. porpoise
10. river sediments
11. in the sediment of rivers
12. growth of coral
13. dry, windy conditions
14. continental margin.
15. the lava and ash collect.
16. Magma is forced out of an opening in Earth's crust.
17. crustal plates are moving apart.
18. Fish species that are overfished could become extinct.
19. their tides
20. flowing water carries soil from place to place.
21. The water was very salty.
22. faults
23. more than 100 years.
24. ocean currents.
25. weathering.

