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ST: GPS/GIS and Earth Science

Middle School Post-Workshop Quiz: Test Your Knowledge

Please complete this quiz to help us determine what you have learned this week. Thanks!

1. How big is the Moon relative to the Earth?

(1 point)

- one tenth the size of the Earth
- one quarter the size of the Earth
- one half the size of the Earth
- three quarters the size of the Earth

2. What does a village's latitude measure?

(1 point)

- its height above sea level
- its distance north or south of the equator
- its distance east or west of the international dateline
- its absolute distance from the North Pole

3. Where do most volcanoes, earthquakes, and mountains appear?

(1 point)

- along the edges of continents
- along the edges of tectonic plates
- at the center of continents
- at the center of tectonic plates

4. Which of the following is NOT a mineral?

(1 point)

- Diamond
- Emerald
- Ruby
- Pearl

5. Which of the following is NOT one of the three groups into which all rocks can be divided?

(1 point)

- adamantine
- igneous
- metamorphic
- sedimentary

6. Where do oil and coal come from?

(1 point)

- the breakdown of igneous rock
- the metamorphosis of sandstone
- plant and animal remains
- volcanic action

7. How does the ozone layer protect human life?

(1 point)

- It blocks out cosmic rays
- It filters ultraviolet radiation from the sun
- It moderates strong winds in the lower atmosphere
- It protects the Earth from sudden rises and falls in temperature

8. What happens when water freezes?

(1 point)

- It becomes slightly denser
- It becomes much more dense
- Its density remains constant
- It becomes less dense

9. What is the term for general, average conditions of an area over a long period of time?

(1 point)

- climate
- climatology
- meteorology
- weather

10. What is groundwater?

(1 point)

- all fresh water

- fresh water that is not flowing: for instance, water in lakes and ponds
- water lying directly on the ground in puddles or shallow pools
- water underground that slowly flows toward the lowest level

11. What is the water table?

(1 point)

- the area of the groundwater
- the average depth of the groundwater
- the bottom of the groundwater
- the top of the groundwater

12. What is the longest river in North America?

(1 point)

- Yukon
- Mississippi
- Ohio
- Kuskokwim

13. What causes the change of seasons?

(1 point)

- Earth's rotation on its axis
- the rotation of the sun
- the phases of the moon
- the tilt of the earth's axis

14. Which planet has the highest maximum surface temperature?

(1 point)

- Earth
- Mercury
- Pluto
- Venus

15. Because of humans _____.

(1 point)

- the sun gives less energy
- carbon dioxide levels are on the rise
- volcanic ash gets into the upper atmosphere
- the tectonic plates move faster

16. Because of global warming _____.

(1 point)

- polar ice caps might melt
- polar ice caps will grow larger and thicker
- polar ice caps have melted and are getting smaller
- the Arctic Ocean is a home to penguins

17. The continental shelf including the part under the Bering Sea _____

(1 point)

- has always been underwater
- sometimes is above sea level when glaciers cover the continents
- is the deepest part of the ocean
- is always 10 miles wide

18. Earthquakes are the result of _____

(1 point)

- a break in the Earth's crust
- seismic waves colliding
- Earth's plates moving past each another
- Giant squid thumping their tails on the sea floor

19. A river system does NOT have _____

(1 point)

- a drainage basin
- a v-shaped valley
- gravel in the channel
- adult halibut living in it

20. Alaska glaciers move because _____

(1 point)

- ice crystals slide over one another
- they are melting at the bottom
- they slide downhill on slopes
- a, b, and c above

21. Permafrost is _____.

(1 point)

- a glacier ice deposit
- ground ice older than one year
- common in southeast Alaska
- only found on the Northslope of Alaska

22. Most of the Earth's water _____.
(1 point)

- is trapped in glaciers and sea ice
- is salty
- flows down rivers
- is stored in the ground in small pore spaces

23. Earth is called "Planet Ocean" or the "Water Planet" because _____.
(1 point)

- people on Earth drink a lot of water
- water covers three fourths of our planet's surface
- more and more water is being added by the water cycle
- Alaska's glaciers are melting

24. A volcano is _____.
(1 point)

- where magma or melted rock is made
- a huge explosion of lava and rock
- an opening in the Earth's crust
- only in Hawaii and Alaska

25. Mountains change because of _____.
(1 point)

- weathering
- tectonic folding and volcanic activity
- both a and b
- neither a nor b

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