

# QUIZIZZ

## Earth Systems

15 Questions

NAME : \_\_\_\_\_

CLASS : \_\_\_\_\_

DATE : \_\_\_\_\_

1.



All living things on earth are part of the....

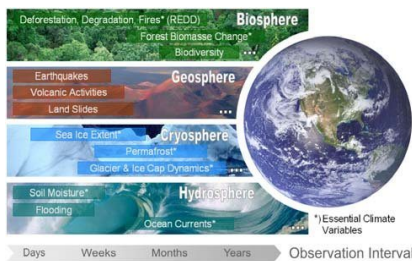
a) Biosphere

b) Geosphere

c) Hydrosphere

d) Cryosphere

2.



The Geosphere is...

a) All liquid water on Earth

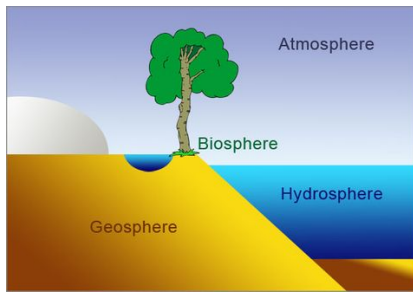
b) A 100km thick layer of gases

c) frozen water on earth

d) Earths entire solid body

Help

3.



Earth is divided into four different spheres. Which statement is true about the interaction between two of these spheres?

- a) Weather is an interaction between the hydrosphere and the geosphere.
- b) A plant receiving water from precipitation is an interaction between the biosphere and the hydrosphere.
- c) An ice cap providing shelter for an arctic animal is an interaction between the biosphere and the hydrosphere.
- d) The formation of the Grand Canyon is an example of an interaction between the geosphere and the atmosphere.

4.



What is the hydrosphere's function?

- a) a recycling planet powered by the flow of solar energy to support a network of life.
- b) sustains various life forms and plays an important role in ecosystems and regulating heat on earth.
- c) sustains life forms on the surface of the earth, absorbs and interacts with harmful solar rays. It protects the earth from natural and human-caused space debris.
- d) controls the distribution of minerals, rocks and soils and generates natural hazards that shape the land and impact humans

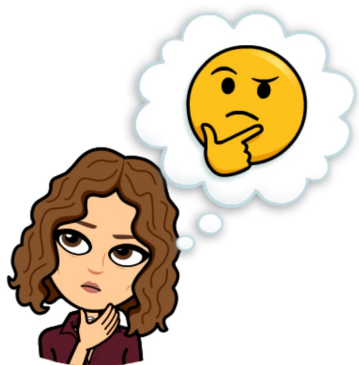
5.



What is the atmosphere's function?

- a) a recycling planet powered by the flow of solar energy to support a network of life.
- b) sustains various life forms and plays an important role in ecosystems and regulating heat on earth.
- c) sustains life forms on the surface of the earth, absorbs and interacts with harmful solar rays. It protects the earth from natural and human-caused space debris.
- d) controls the distribution of minerals, rocks and soils and generates natural hazards that shape the land and impact humans

6.



"Bio" in biosphere means \_\_\_\_.

- a) air, vapor
- b) rock, earth
- c) water
- d) life

7.



"Atmo" in atmosphere means \_\_\_\_.

a) air, vapor

b) rock, earth

c) water

d) life

8.



"Hydro" in hydrosphere means \_\_\_\_.

a) air, vapor

b) rock, earth

c) water

d) life

9.



"Geo" in geosphere means \_\_\_\_.

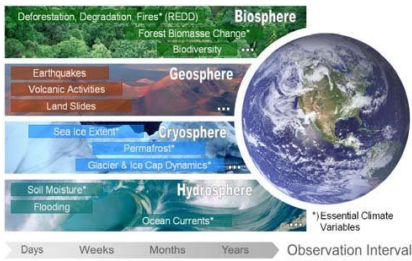
a) air, vapor

b) rock, earth

c) water

d) life

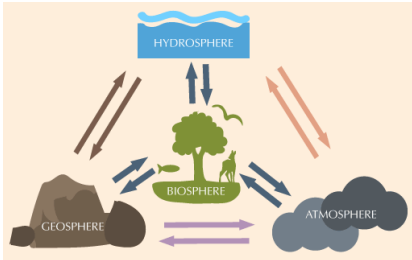
10.



How do the geosphere and the hydrosphere interact?

- a) The geosphere stores parts of the hydrosphere.
- b) The geosphere erodes (shapes) the hydrosphere.
- c) The hydrosphere stores parts of the geosphere.

11.



How do the geosphere and the biosphere interact?

- a) Soil contains living parts.
- b) Bacteria is in the air.
- c) Water rains onto the geosphere.

12.



How do the geosphere and the biosphere interact?

- a) Fossil fuels in the geosphere used to be living.
- b) Bacteria is in the air.
- c) Water rains onto the geosphere.

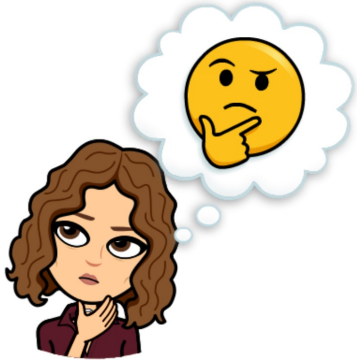
13.



How do the geosphere and the atmosphere interact?

- a) Air contains water.
- b) Volcanic ash can enter the atmosphere.
- c) Living things need air to survive.

14.



How do the biosphere and the atmosphere interact?

- a) Air contains water.
- b) Volcanic ash can enter the atmosphere.
- c) Living things need air to survive.

15.



How do the biosphere and the hydrosphere interact?

- a) Air contains water.
- b) Volcanic ash can enter the atmosphere.
- c) Living things need water to survive.
- d) These two spheres do not interact.

**Answer Key**

1. a
2. d
3. b
4. b

5. c
6. d
7. a
8. c

9. b
10. a
11. a
12. a

13. b
14. c
15. c