

SCIENCE

GRADED PRACTICE #1

sphere interactions

1. Water evaporating from the surface of a lake moves from the...

<input type="checkbox"/> A	Geosphere to the hydrosphere	<input type="checkbox"/> B	Atmosphere to the geosphere
<input type="checkbox"/> C	Hydrosphere to the atmosphere	<input type="checkbox"/> D	Atmosphere to the cryosphere

2.  When living things breathe, they interact with which of Earth's spheres?

<input type="checkbox"/> A	Biosphere	<input type="checkbox"/> B	Atmosphere
<input type="checkbox"/> C	Geosphere	<input type="checkbox"/> D	Hydrosphere

3. When carbon dioxide dissolves from the air into the ocean- the interaction is between...

<input type="checkbox"/> A	The atmosphere and hydrosphere	<input type="checkbox"/> B	The atmosphere and biosphere
<input type="checkbox"/> C	The atmosphere and geosphere	<input type="checkbox"/> D	The atmosphere and atmosphere

4. When volcanoes erupt, dust and ash particles spread through much of the air blocking the sun. Which two spheres are interacting?

<input type="checkbox"/> A	Hydrosphere and atmosphere	<input type="checkbox"/> B	Geosphere and atmosphere
<input type="checkbox"/> C	Atmosphere and atmosphere	<input type="checkbox"/> D	Biosphere and atmosphere

5.



This picture best describes which connection?

A Geosphere-Biosphere B Atmosphere-Biosphere
 C Hydrosphere-Atmosphere D Hydrosphere-Geosphere

6. Sometimes fires burn down large areas of forests that are part of the biosphere. Other than the biosphere, which of Earth's other systems is a forest fire most likely to affect?
(SC.6.E.7.4)

A Atmosphere B Geosphere
 C Hydrosphere D Cryosphere

7. When dead plants decompose and nitrogen is returned to the soil, the interaction is between which two spheres? (SC.6.E.7.4)

A The atmosphere and geosphere B The biosphere and geosphere
 C The biosphere and atmosphere D The geosphere and atmosphere

8. When plants draw nutrients from the soil, the interaction is between which two spheres?
(SC.6.E.7.4)

A The biosphere and the geosphere B The geosphere and the hydrosphere
 C The hydrosphere and atmosphere D The atmosphere and the geosphere

9.  What two spheres are represented by the water and heron?

A atmosphere and biosphere B hydrosphere and biosphere
 C atmosphere and hydrosphere D biosphere and geosphere

10. Wind can carry seeds to new places, so more plants can grow.

A Hydrosphere and Biosphere B Atmosphere and Geosphere
 C Geosphere and Biosphere D Atmosphere and Biosphere

11. Jessica is at the beach watching ocean waves. Which of these parts of the Earth system interacts with the hydrosphere to produce waves at the beach? (SC.6.E.7.4)

A Biosphere B Atmosphere
 C Cryosphere D Geosphere

12. Bio =

A Earth B Life
 C Sphere D Water

13.



This sphere includes the continents, the ocean floor, all the rocks on the surface, and all of the sand in the deserts.

A Geosphere B Hydrosphere
 C Atmosphere D Biosphere

14.

Body of air surrounding our planet.

A Biosphere B Atmosphere
 C Hydrosphere D Geosphere

15. An example of the biosphere would be

A Glacier B Mountain
 C Wind D Penguin

16. Rivers, lakes and streams are part of the...

A atmosphere B hydrosphere
 C geosphere D biosphere

17.



The Four Spheres of Earth

A don't affect human life B exist on Venus and Mars

C are all connected D have nothing to do with one another

18. A group of parts that work together as a whole

A energy B system

19. Which sentence best describes the relationship between Earth's systems?

A The cheetah will produce offspring. B Earth's systems are independent from one another.

C Together, these systems support all plant and animal life. D Earth is not just a sphere with life on top.

20. An example from the atmosphere would be

A Beach B Volcano

C Ocean D Cloud

21.



A thunderstorm is a connection between:

A Hydrosphere-Biosphere B Hydrosphere-Geosphere

C Biosphere-Atmosphere D Atmosphere-Hydrosphere

22. A bear living in a cave. Which part is the BIOSPHERE?

A bear B cave

23. Wind blowing down a tree. Which part is the atmosphere?

A tree B wind

24. Which sphere is NOT represented: A rain storm with strong wind blows down a tree.

A Geosphere B Biosphere
 C Hydrosphere D Atmosphere

25. Which one is an example of Atmosphere and Geosphere?

A A volcano erupts adding Carbon Dioxide to the air. B Air temperature impacts the evaporation of lakes and streams.
 C Plants use essential elements such as water, carbon and nitrogen from the soil.

26. Which of these are an example of Atmosphere and Biosphere interacting:

A Wind can carry seeds to new places,, so more plants can grow. B Bacteria and algae convert Nitrogen from the air into a form that is usable by plants and animals.
 C all the above D The survival organisms is impacted by the air temperature.