



The Earth's Spheres

Engage

What To Do:

Use the Prefixes and Suffixes Chart below to determine the meaning of the following science words.

Prefixes and Suffixes Chart

Prefix/Suffix	Meaning
Atmos	Air
Bio	Life
Geo	Earth
Hydro	Water
Sphere	Round shaped body

1. Hydrosphere _____
2. Atmosphere _____
3. Biosphere _____
4. Geosphere _____

Watch the video “Our Planet, Our Home,” found at <https://www.youtube.com/watch?v=8DQeFmWUyd8>

What do you notice?

What do you wonder?

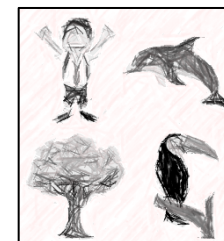
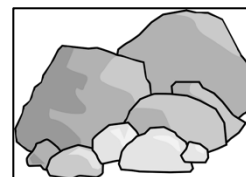
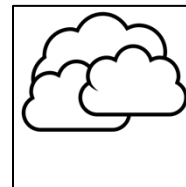
Explore

Materials: scissors, glue

What To Do:

1. Cut out the cards below and sort them into the four categories found on the next page.
2. Glue them down when your teacher has checked your work.

PLANTS	SNOW	GASES
ROCKS	RIVER	BIRDS
CLOUDS	RAIN	SAND
ANIMALS	WIND	SOIL





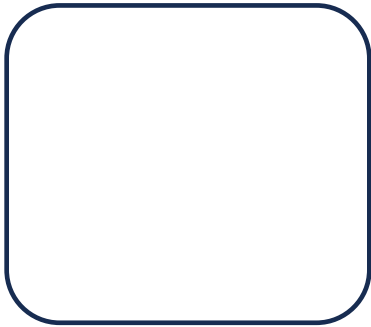
SPHERES OF THE EARTH			
BIOSPHERE	HYDROSPHERE	GEOSPHERE	ATMOSPHERE

Explain

EARTH’S SPHERES



BIOSPHERE



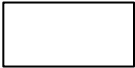
HYDROSPHERE



ATMOSPHERE



GEOSPHERE



Elaborate

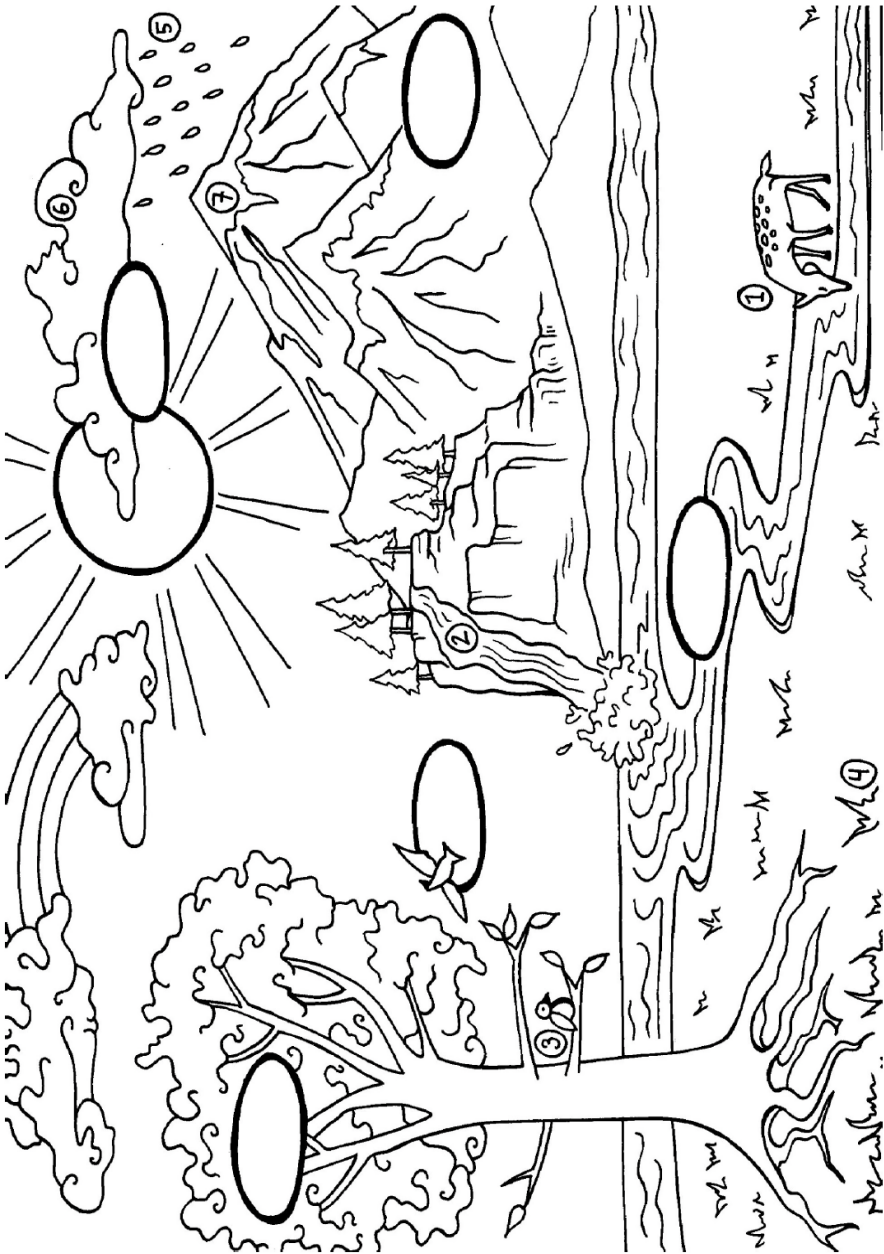
What To Do:

- 1. In the picture on the next page place the name of each sphere in the ovals. (HINT – there are two ovals for one of the spheres.)
- 2. Find the numbered components in the picture and list their names in the space below.

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____

3. Determine how the numbered components are interacting with another sphere. The first one is done for you

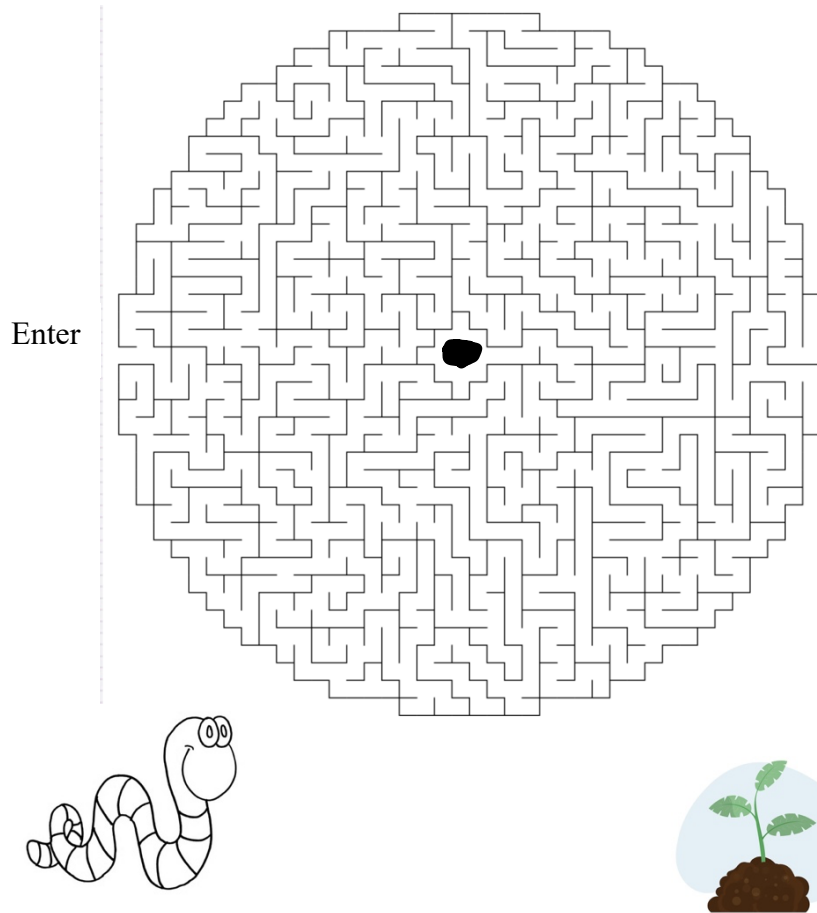
Component	Sphere it belongs to	Sphere it is interacting with	In what way?
1. Deer	biosphere	hydrosphere	Drinking water
2.			
3.			
4.			
5.			
6.			
7.			





Interacting Spheres!

Help the earthworm find the soil in the middle of the maze!



Which 3 spheres are shown?

Evaluate

Name _____ period _____

EXIT TICKET

The Earth's Spheres

1. Which of the following components are found in the biosphere?
 - a. clouds, oxygen, and wind
 - b. butterflies, fish, and snakes
 - c. rivers, lakes, and oceans
 - d. rocks, soil, and sand
2. Which of the following components are found in the hydrosphere?
 - a. clouds, oxygen, and wind
 - b. butterflies, fish, and snakes
 - c. rivers, lakes, and oceans
 - d. rocks, soil, and sand
3. Which of the following components are found in the geosphere?
 - a. clouds, oxygen, and wind
 - b. butterflies, fish, and snakes
 - c. rivers, lakes, and oceans
 - d. rocks, soil, and sand
4. Which of the following components are found in the atmosphere?
 - a. clouds, oxygen, and wind
 - b. butterflies, fish, and snakes
 - c. rivers, lakes, and oceans
 - d. rocks, soil, and sand
5. Give an example of an interaction between the biosphere and the atmosphere.