

# Facts About The Spheres Of The Earth

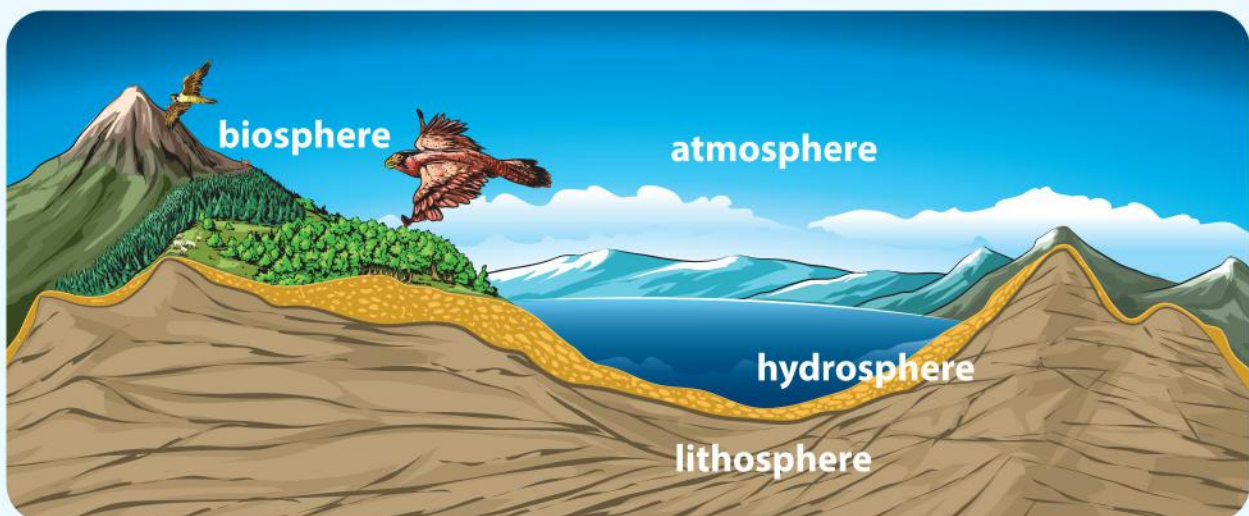
Mother earth is much more than just a big blue-green ball. It is a complex space. The earth has several different creatures and several unique properties. They all affect the process of earth differently.

The earth is surrounded by four spheres. These spheres are round in shape, just like the earth. The spheres interact to affect Earth' s systems and processes, and they are constantly changing each other.

**The four layers of the earth are as under:**

## Hydrosphere

Hydro means “water”. The hydrosphere contains all the solid, liquid, and gaseous forms of water. It is formed from all oceans, rivers, lakes, groundwater, and water frozen in glaciers. Approximately 97% of the earth' s water is salty and only about 3% of water is non-salty and can be used for drinking. This sphere ranges from 10 to 20 kilometers in thickness. Without the hydrosphere, there would be no life possible.

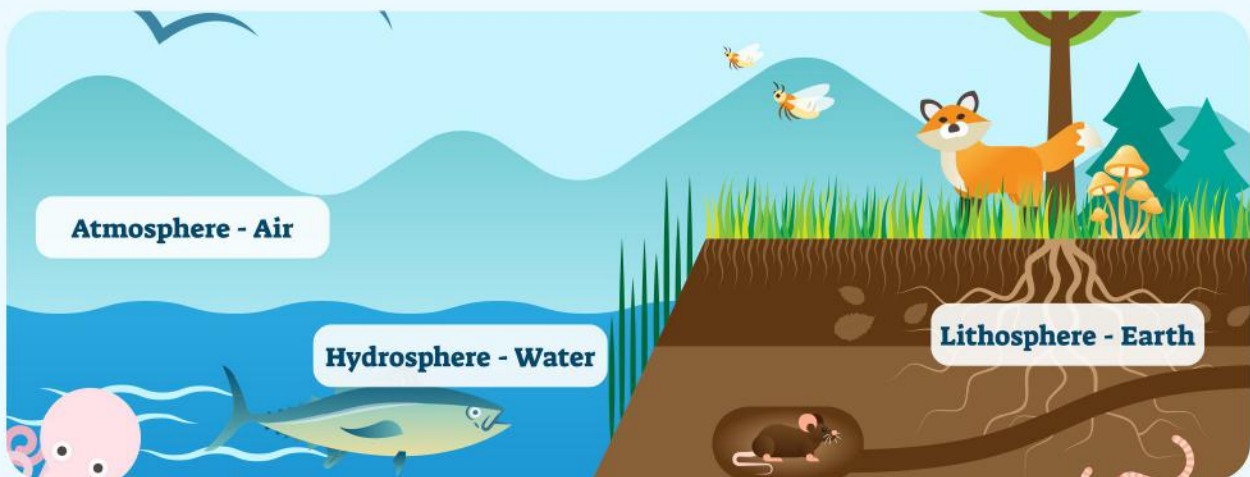


## Lithosphere

It can be defined as a boundary layer of the solid earth. The thickness of this sphere varies from 40 kilometers to 280 kilometers. It is also known as the geosphere. It contains all the rocks and minerals. Volcanoes, deserts, and mountain ranges are all a part of this sphere. The geosphere provides all-natural resources to grow food. It starts at the ground and extends all the way down to Earth' s core.

## Atmosphere

The atmosphere contains all the gases of the earth. The atmosphere also contains some tiny suspended particles along with the gases. This layer contains all essential gases like oxygen, carbon dioxide, argon, nitrogen, water vapor, and so on. The earth is the only planet to have the correct combination of gases to help life sustain. The atmosphere is responsible for the earth' s weather.



## Biosphere

This layer is formed of all the living organisms. It contains all the plants, animals, human beings, and microorganisms. It is the biggest one of all the spheres of the earth. Most of the living beings do not exist 10 feet under the ground and 600 feet above the ground level. The beings of this sphere interact with all other spheres.



## Quiz Time

1. What is the total number of spheres of the earth?

- 1                       2  
 3                       4

2. Which sphere contains all forms of water on earth?

- Lithosphere             Biosphere  
 Hydrosphere             Atmosphere

3. Which sphere contains all forms of gases on earth?

- Geosphere               Atmosphere  
 Biosphere               Hydrosphere

4. Which is the largest sphere on earth?

- Biosphere               Geosphere  
 Atmosphere             Hydrosphere

5. What is the lithosphere also known as?

- Geosphere               Atmosphere  
 Biosphere               Hydrosphere

6. Which sphere contains all the rocks and minerals?

- Lithosphere             Biosphere  
 Hydrosphere             Atmosphere

7. Which sphere of the earth contains living beings?

- Lithosphere             Biosphere  
 Hydrosphere             Atmosphere

8. Volcanoes are a part of which sphere?

- Lithosphere             Biosphere  
 Hydrosphere             Atmosphere

