

What is a Biosphere?

A biosphere is a part of the Earth where living organisms (plants, animals, and humans) and non-living components (such as air, water, and soil) interact with each other. A biosphere is a place that includes all the living things and their habitats, like forests, oceans, deserts, and more. It is like a big, interconnected web of life. All the living things in a biosphere depend on each other for food, shelter, and other resources.

The biosphere contains all of the living things on Earth, including plants, animals, humans, and microscopic organisms such as bacteria and fungi. These living organisms interact with each other and the environment to form a complex web of life.

The biosphere also includes the atmosphere, which is the air that surrounds the Earth and provides oxygen for living things to breathe. It also includes the hydrosphere, which is the water on the Earth's surface, such as rivers, lakes, oceans, and seas. The soil, rocks, and sediments of the Earth's crust make up the geosphere. The biosphere is important because it is the only place on Earth where life can exist. It supports a variety of ecosystems and provides the resources necessary for all living things to survive. Without the biosphere, life on Earth would not be possible.

The biosphere is constantly changing and evolving due to the interactions between living things and their environment. These changes can be caused by natural events such as storms and droughts, or by human activities such as pollution and deforestation. The biosphere is vulnerable to these changes, and its health is important for the survival of all living things.

The biosphere is also home to a variety of different habitats. These habitats provide homes for different species of plants and animals, which help to maintain the balance of life on Earth. For example, forests are home to many different species of plants and animals, and they help to maintain the climate and provide oxygen for living things to breathe.

The biosphere is an essential part of life on Earth and it is important that we take steps to protect it. By protecting the biosphere, we can ensure that all living things have the resources they need to survive and thrive.

Biosphere

Questions:

1. Where is the Biosphere found and what is it primarily made up of.
2. Which 2 other spheres does the Biosphere include?
3. What do you think are some of the changes that can occur in the Biosphere?
4. Explain who and what the Biosphere is home to and why the Biosphere is important:
5. List 3 facts and 2 interactions that occur in the Biosphere.