

What are Earth's 4 Systems?

The four systems of Earth are the geosphere, hydrosphere, atmosphere, and biosphere. Each system plays an important role in keeping the Earth functioning and providing sustenance for living things.

The **geosphere** is the solid part of the Earth. It is made up of rocks and minerals and is the outermost layer of the Earth. The geosphere is broken into several layers. The crust is the outermost layer and is the thinnest layer. The mantle is the layer beneath the crust. It is made of hot, solid rock and is the thickest layer. Below the mantle is the outer core, which is a liquid layer made of iron and nickel. The inner core is the deepest layer and is solid and made of iron and nickel. The geosphere helps to keep the Earth in balance and is an important part of our planet.

The **hydrosphere** is made up of all the water on Earth. This includes the oceans, lakes, rivers, and even the moisture in the air. The water cycle is an important part of the hydrosphere, as it moves water from the oceans to the land and back to the oceans again. This cycle provides water for living things, such as plants and animals.

The **atmosphere** is the layer of air that surrounds the Earth. It is made up of different gases, such as oxygen, nitrogen, and carbon dioxide. The atmosphere helps keep the planet warm, as it traps heat from the sun. It also helps protect us from the sun's harmful rays.

The **biosphere** is the layer of life on Earth. It includes all living things, from plants and animals to microscopic organisms. The biosphere is made up of many different ecosystems, such as forests, deserts, and oceans. These ecosystems are all connected, as the living things in one ecosystem depend on the living things in another.

Each of these four systems is important for keeping the Earth functioning. The geosphere provides the solid foundation that living things need to survive. The hydrosphere provides water to keep living things alive. The atmosphere helps keep the Earth warm and protects living things from the sun's harmful rays. Finally, the biosphere is the home of all living things on Earth. Together, these four systems keep the Earth running and provide a safe and sustainable environment for all living things.

Earth's 4 Systems

Questions:

What are the 4 Earth systems:

- 1.
- 2.
- 3.
- 4.

Describe each system and where they are found:

Explain 3 ways the systems are interconnected: