

Which Earth Sphere(s)?



- 1 Identify the sphere(s) this photo would be in and explain why.
- 2 Identify 3 types of interactions that might occur here.
- 3 Identify 3 types of interactions that humans might have here.
- 4 Identify potential animal and plant life that might live here.

Potential Answers:

- The hydrosphere is made up of all the water found on Earth.
- This includes oceans, lakes, rivers, groundwater, and even the water found in the atmosphere.
- Evaporation is the process of water changing from a liquid to a gas.
- This occurs when the sun's energy heats up the water, causing it to evaporate into the atmosphere.
- The water vapor in the atmosphere then condenses into clouds, which form rain and snow.
- The water then falls back to the Earth's surface as precipitation and replenishes the hydrosphere.
- The oceans and rivers are a major source of water movement.
- The water from the oceans and rivers can be transported by the wind and currents, which can move the water from one place to another.
- This water can be moved across the globe, and can affect the climate and weather in different places.
- The movement of water also helps to mix nutrients and minerals in the ocean, which can then be used by plants and animals.
- The hydrosphere also plays an important role in regulating the Earth's climate.
- The oceans act as heat reservoirs, absorbing and releasing heat energy.
- This helps to keep the temperatures of the atmosphere and the land balanced.
- The oceans also absorb the sun's energy, which helps to keep the Earth's climate stable.
- Plants and animals living in the hydrosphere depend on the water for their survival.
- The water provides them with food, oxygen, and a place to live.

Man's interactions: - Fishing - Shipping - Oil and gas extraction - Tourism - Pollution - Desalination