

# What are Earth's Four Spheres?



By Marie @ The Homeschool Daily

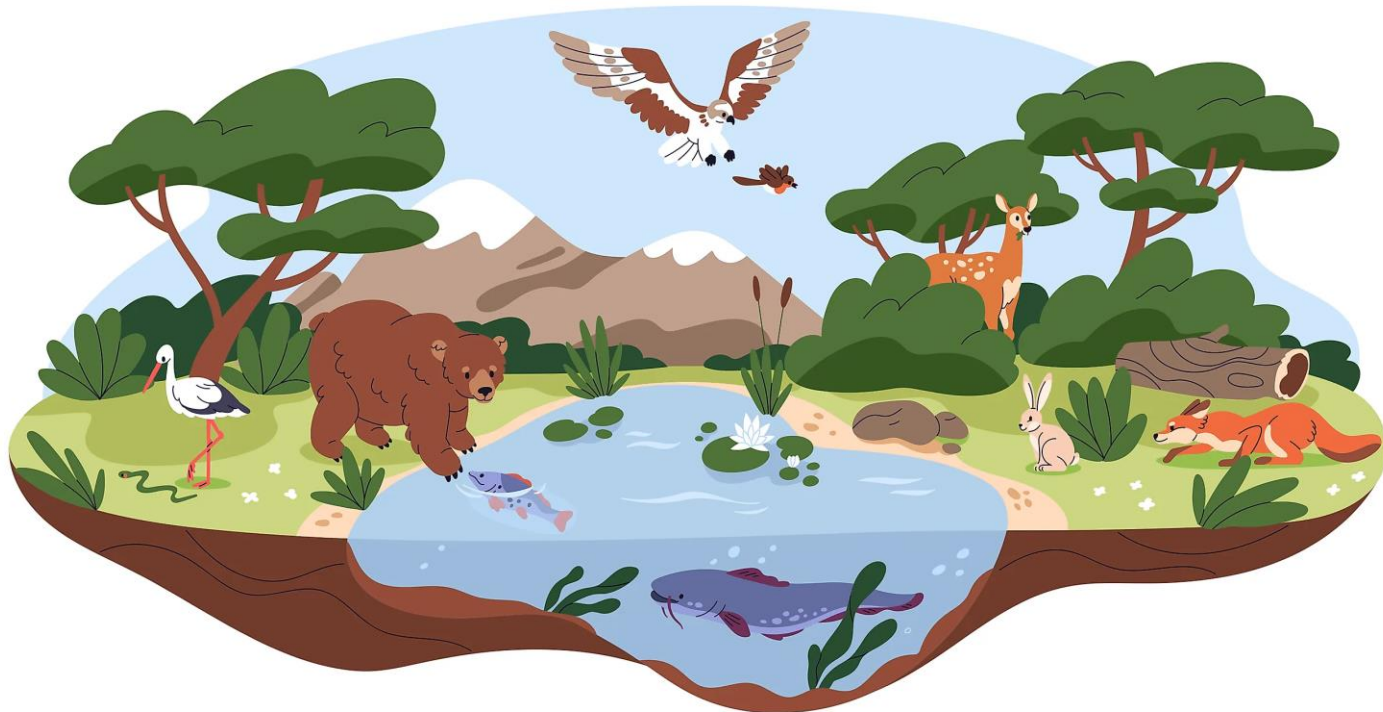
# Earth's Spheres

There are four major subsystems that make up Earth: land, water, air, and living things. Just like the Earth is round, a sphere is round.



# Biosphere

All living things on the Earth make up the biosphere. Living things include insects, fish, birds, plants, and even people! Bio means "life."



# Geosphere

Rocks and minerals make up the geosphere. The geosphere encompasses the ground all the way to center of the Earth's core. It is sometimes called the lithosphere. Geo means "earth."





# Hydrosphere

Oceans, rivers, lakes, groundwater, and all frozen forms of water make up the hydrosphere. All living things need water. 97% of the water on Earth is found in oceans. Hydro means "water."

While glaciers and icebergs are part of the hydrosphere, the frozen portion of Earth's water can sometimes be called the "cryosphere".



# Atmosphere

All the gases surrounding Earth make up the atmosphere. There are five layers in the Earth's atmosphere. Weather happens here. Atmos means "air."



# Sphere Interactions

The spheres interact with each other and are constantly changing one another. For example, when rain (hydrosphere) falls from clouds (atmosphere) onto the land (geosphere), plants (biosphere) are watered.



Test your knowledge of  
Earth's Spheres!

TRIVIA TIME





# Sphere Interactions

Another example of sphere interactions can be seen when a volcano erupts ash into the atmosphere. If there is an abundance of ash, it can have a negative effect on the living things in the area.

In this scenario, what sphere does the volcano represent?



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# Sphere Interactions

Another example of sphere interactions can be seen when humans dump pollution into a nearby stream. The stream becomes polluted, killing fish that live in the water.

In this scenario, what sphere do the humans represent?



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# Sphere Interactions

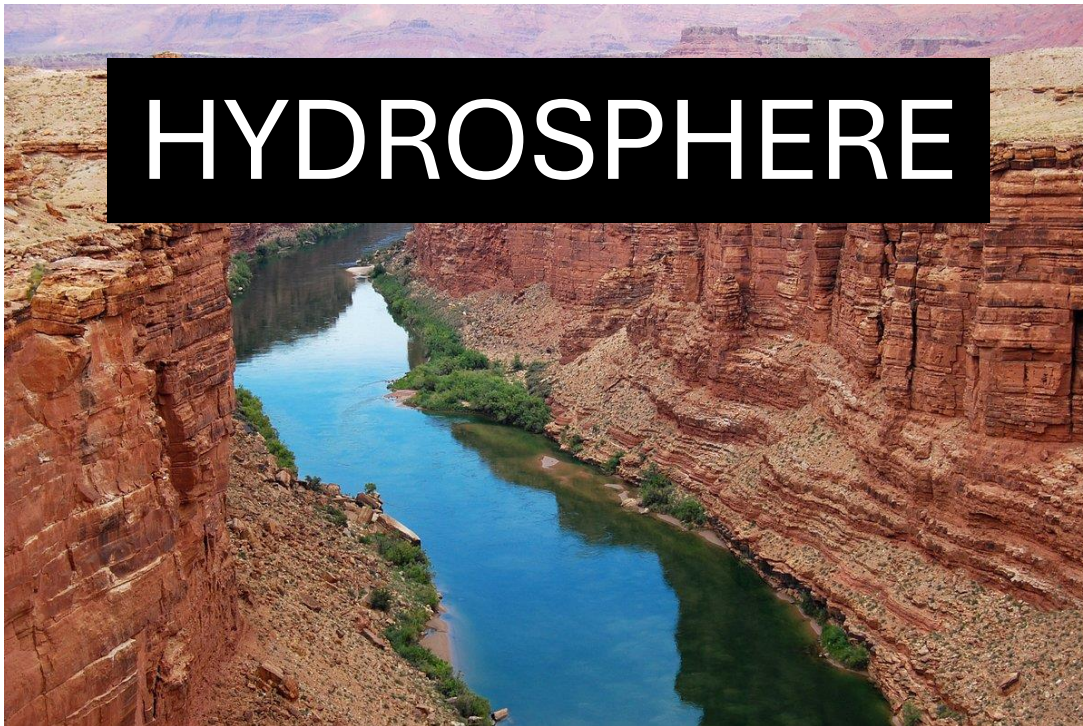
Another example of sphere interactions can be seen when a river begins to carve out valleys and canyons in the Earth.



In this scenario,  
what sphere  
does the river  
represent?

# Sphere Interactions

Another example of sphere interactions can be seen when a river begins to carve out valleys and canyons in the Earth.



In this scenario, what sphere does the river represent?



What sphere do these pictures represent?



What sphere do these pictures represent?

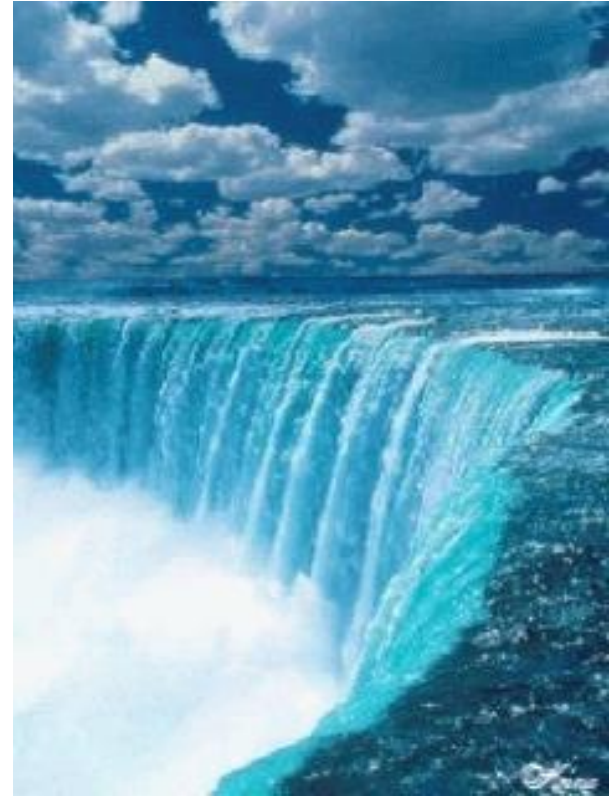


**GEOSPHERE**





What sphere do these pictures represent?



What sphere do these pictures represent?



**HYDROSPHERE**



What sphere do these pictures represent?





What sphere do these pictures represent?

**ATMOSPHERE**





What sphere do these pictures represent?



What sphere do these pictures represent?



**BIOSPHERE**





# THE END







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♥ Marie

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