

## 4 Spheres of Earth

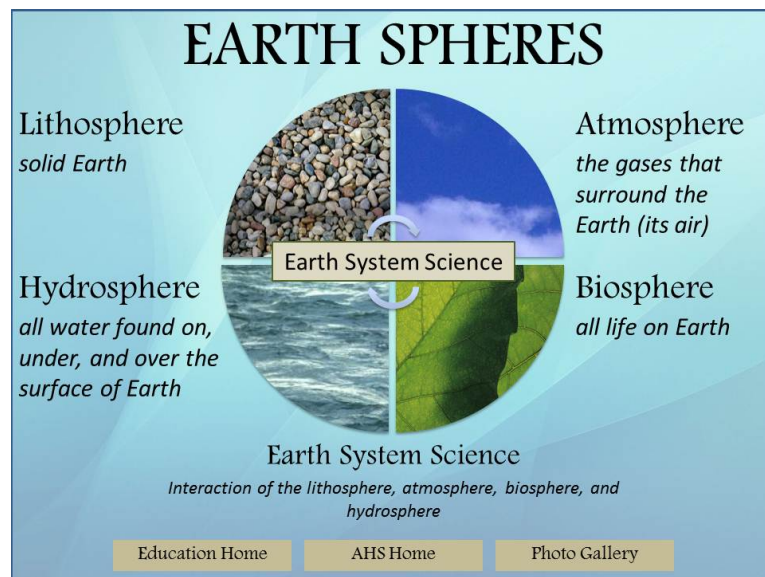
The spheres are the four subsystems that make up the planet Earth. They are called spheres because they are round, just like the Earth.

1) Geosphere - all the rock on Earth

2) Hydrosphere - all the water on Earth

3) Atmosphere - all the gases surrounding Earth

4) Biosphere - all the living things on Earth



## Geosphere

Geo means “earth.” The Earth’s geosphere (sometimes called the lithosphere) is the portion of the earth that includes rocks and minerals. It starts at the ground and extends all the way down to Earth’s core.

We rely on the geosphere to provide natural resources and a place to grow food.  
Volcanos, mountain ranges, and deserts are all part of the geosphere. Put simply, without the geosphere, there would be no Earth!



## The Rock Cycle

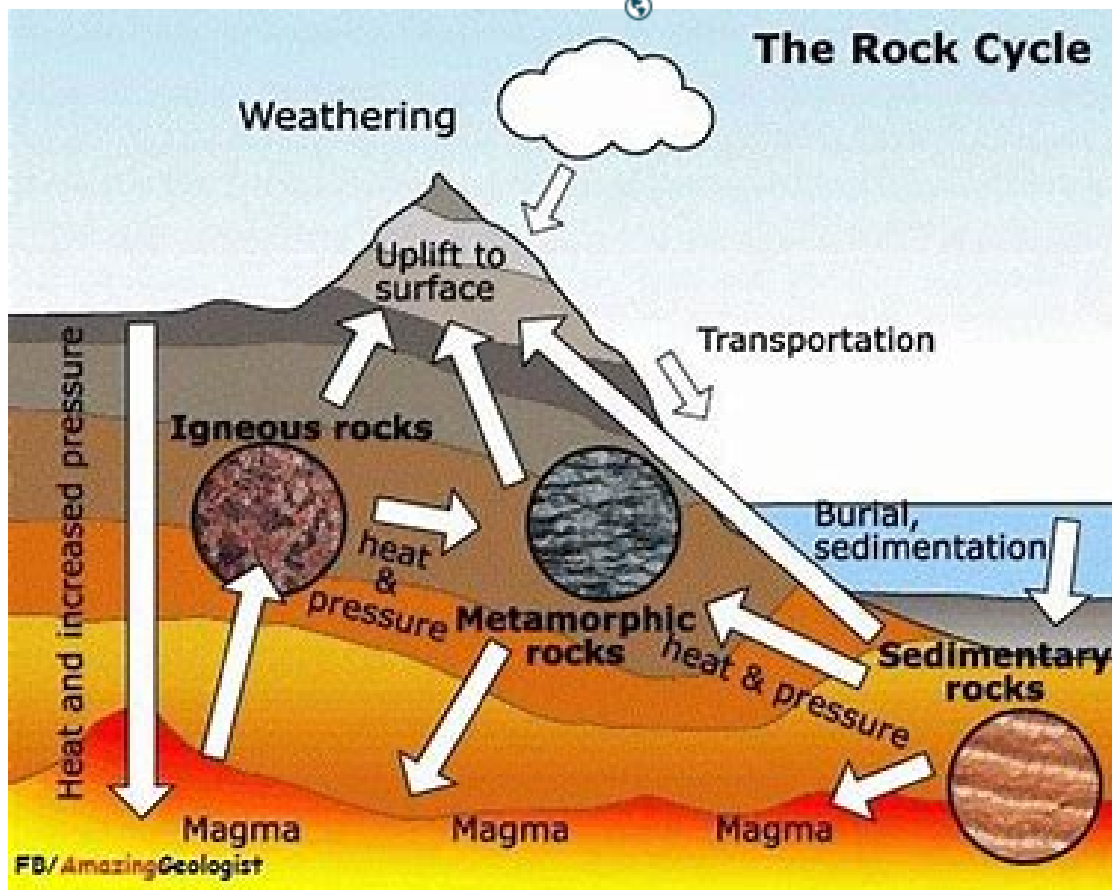
311-2

**Weathering:** Sediment comes from larger rocks that have broken down or worn away by a natural process called weathering.

This can happen mechanically, chemically or biologically.

[Bill Nye - The Science Guy - S03 - E04 - Rocks & Soil](https://www.dailymotion.com/video/x3jyuty)

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## Attachments

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NOTES - Ecological Organization.pdf

TEXT - Water and Nitrogen Cycles.pdf

Science 7 Rock Assignment 1.docx