

Earth Science



What is Earth Science?

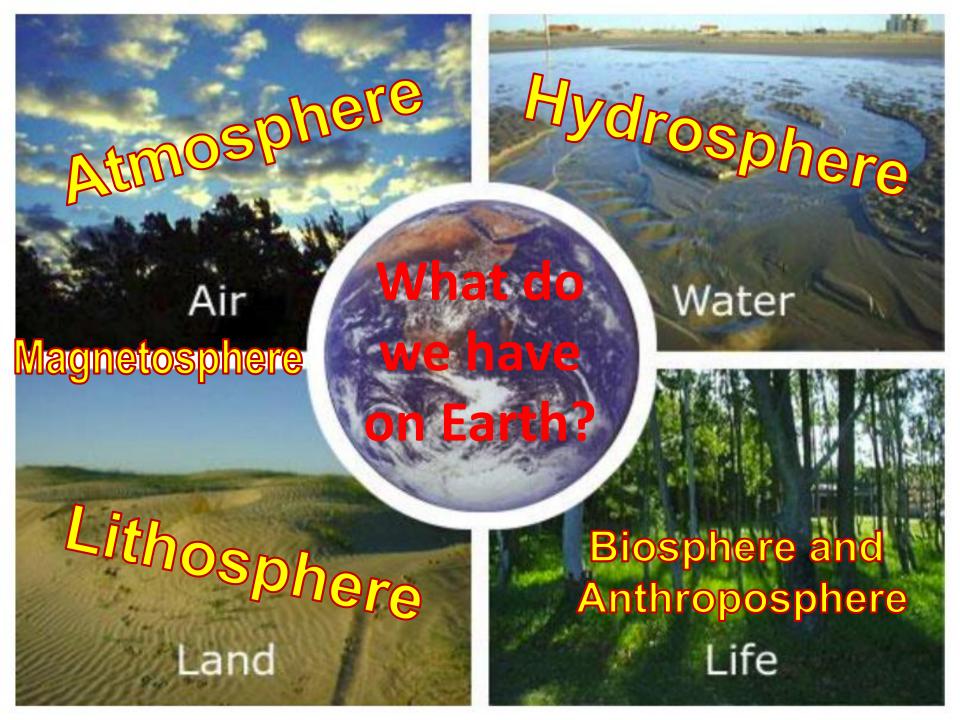
Fields of science dealing with planet Earth:

Geography, Geology, Geophysics, Hydrology, Glaciology, Meteorology, Atmospheric Physics, Ecology, etc.

What does Earth Science study?

How the Earth system works, and how it evolved to its current state.

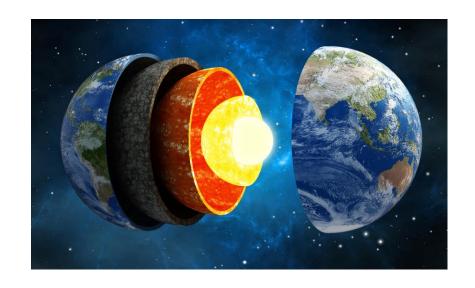
What is *Earth system*?



Physical Spheres of the Earth

1. PLANET EARTH

- > Shape and size
- > Formation
- > Internal structure



2. LITHOSPHERE: The Solid Surface

- > Types and age
- > Tectonic processes
- > Volcanic processes



Physical Spheres of the Earth

3. HYDROSPHERE: The Water

- Physical state of water
- > Water cycle
- > Ocean circulation, tides
- > Glaciers, sea ice



4. ATMOSPHERE: The Air

- > Layers
- > Air masses and wind
- Weather and storms



What do we see on Earth changing?









What's happening on Earth now?



Hurricane Francine

made landfall in

Louisiana on September

11 and is now a posttropical cyclone

5 moderate earthquakes rocked the Earth yesterday (no strong ones, and over a 100 week ones!)

