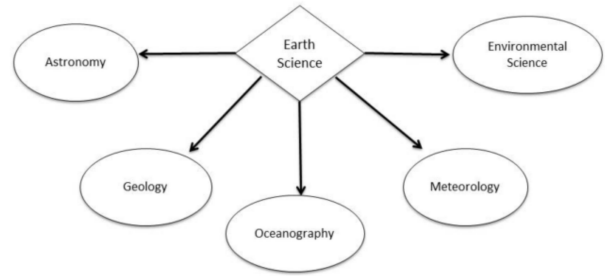


Section 1.1 – Earth Science Class Notes



8th Grade Earth and Space
Science

The Scope of Earth Science



Astronomy

- Study of objects beyond the Earth's atmosphere



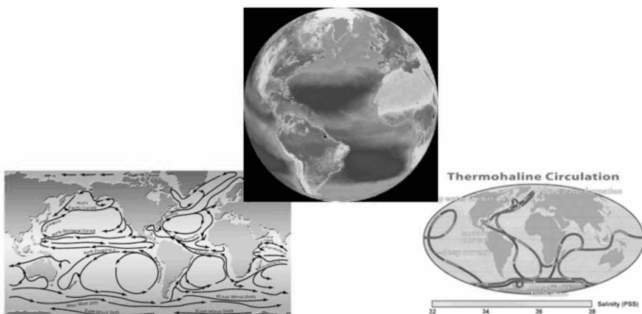
Geology

- Study of the materials that make up Earth and the processes that form and change these materials



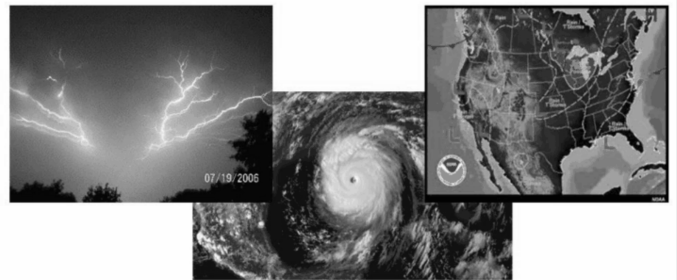
Oceanography

- Study of Earth's oceans



Meteorology

- Study of weather-producing forces in the atmosphere



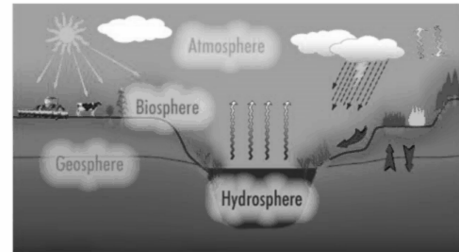
Environmental Science

- Study of the interactions of Earth organisms and their surroundings



The Earth's Systems

- There are 4 main Earth systems that all interact with one another.

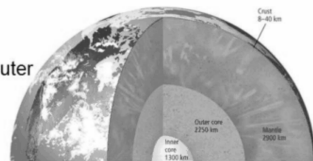


Geosphere

- Area from the surface of the Earth down to its center.

– Made up of four parts:

- Crust – outer shell
- Mantle – in between
- Core - innermost layer
 - Divided into inner and outer core



Atmosphere

- Gases that surround the Earth
- 78% Nitrogen, 21% Oxygen, 1% Other (Water Vapor, Argon, Carbon Dioxide, Trace Gases)
- Provides us with oxygen, protects us from radiation, keeps temperatures suitable

Hydrosphere

- All of the water on Earth and in the atmosphere
- 97% salt water, 3% freshwater (most in glaciers)



Biosphere

- All organisms on Earth and the environments in which they live
- All systems depend and interact with one another!

