

What is Earth Science?



Earth Systems

- The scientific study of Earth and the universe around it.



The 5 Branches of Earth Science

- Geology
- Oceanography
- Meteorology
- Astronomy
- Environmental Science



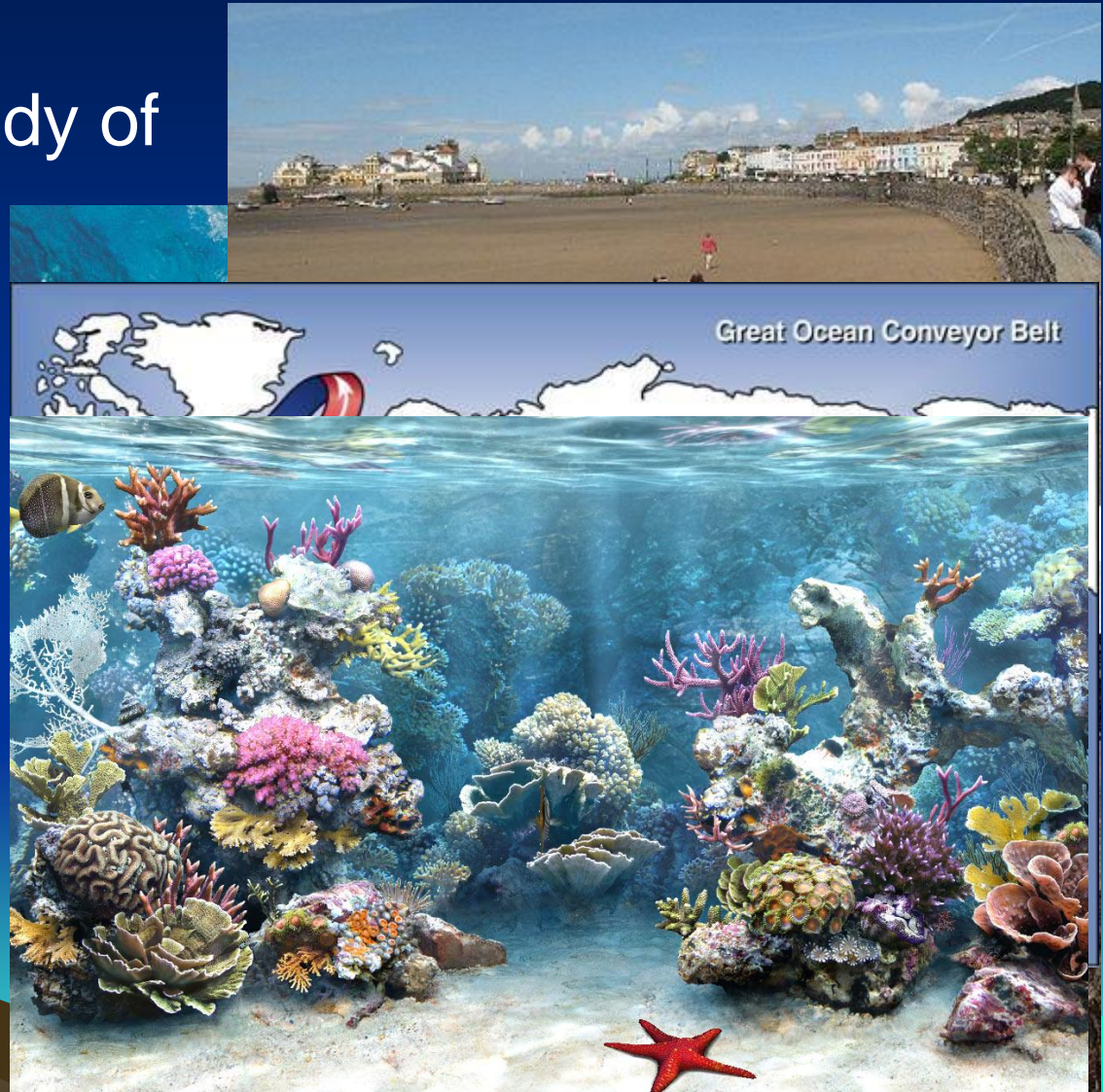
Geology

- The scientific study of the origin, history, and structure of Earth and the processes that shape Earth.
 - Study the crust
 - Study Earth's interior
 - Study of fossils



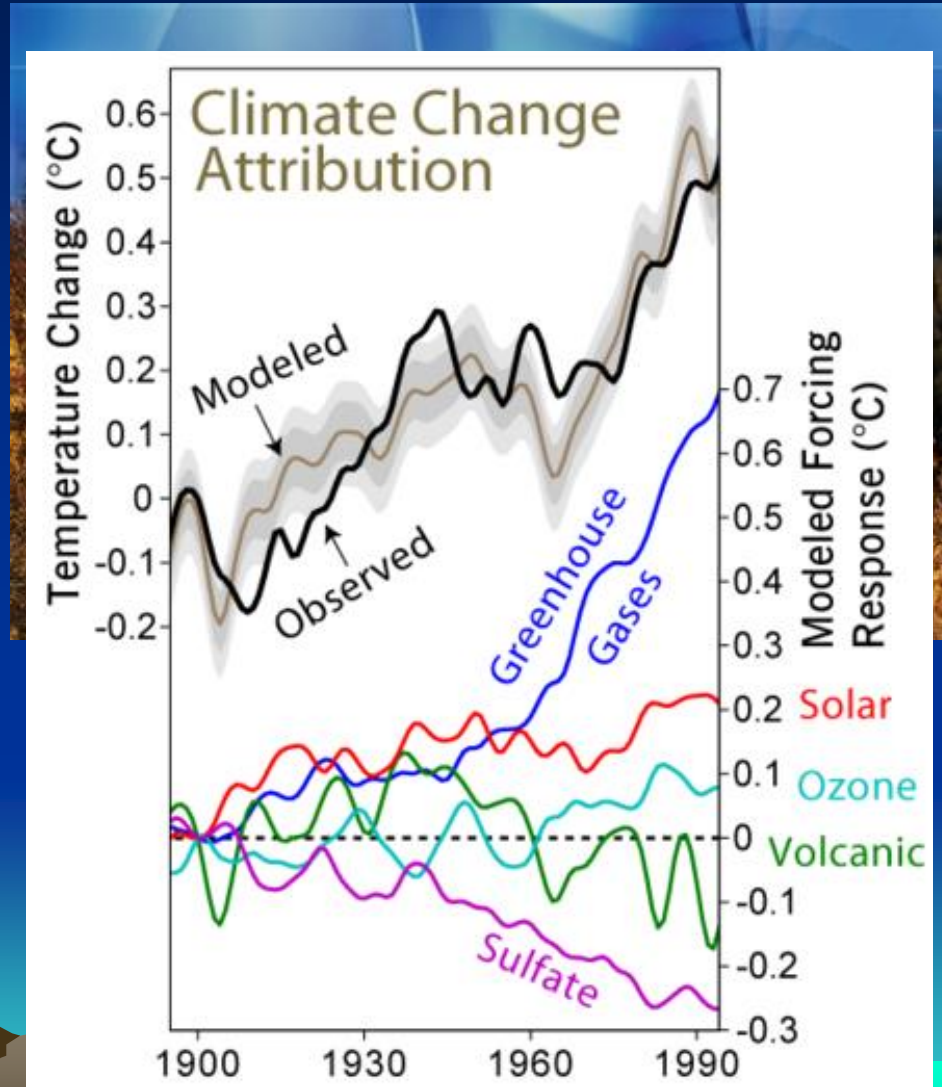
Oceanography

- The scientific study of the ocean.
 - Waves
 - Tides
 - Ocean currents
 - Ocean floor



Meteorology

- The scientific study of Earth's atmosphere.
 - Weather
 - What is happening today.
 - Climate
 - The patterns of weather that occur over periods of time.



Astronomy

- The scientific study of the universe.
 - One of the oldest branches of Earth science
 - Babylonians charted the positions of planets and stars nearly 4,000 years ago



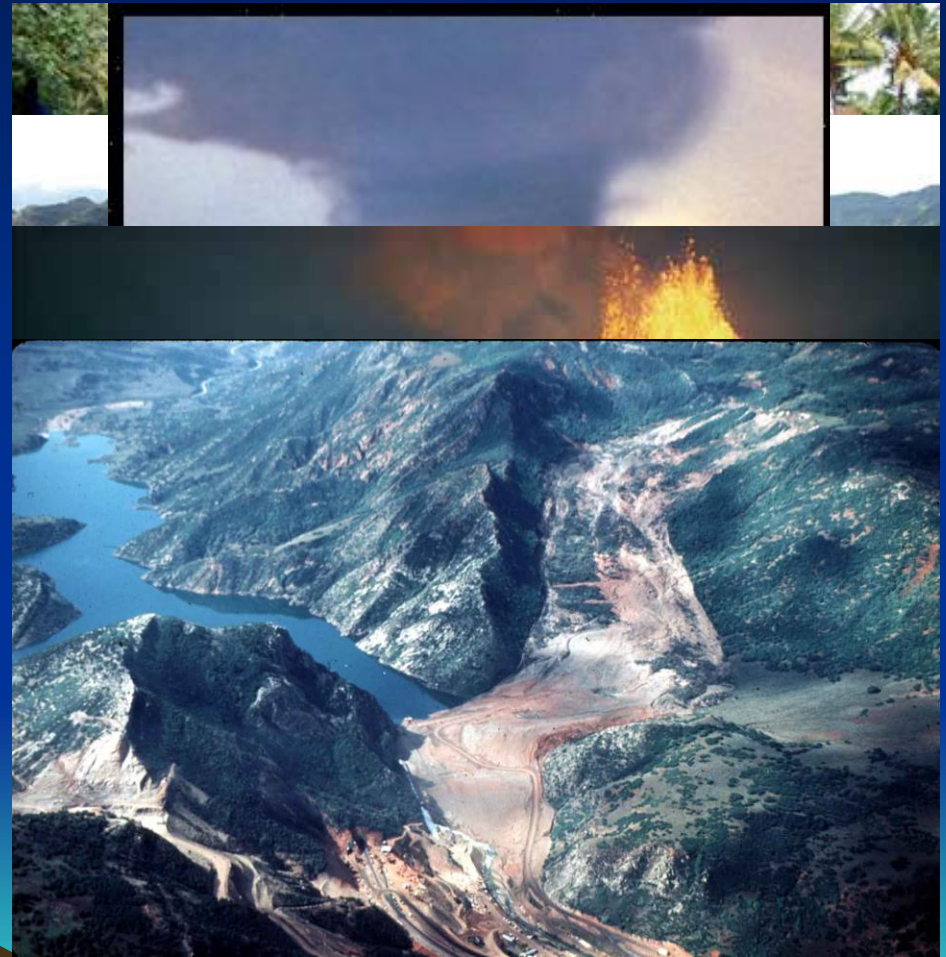
Environmental Science

- Study the ways in which humans interact with their environment.
 - Natural resources
 - Pollution
 - Health of plant and animal species on Earth



The Importance of Earth Science

- Natural forces not only shape Earth but also affect life on Earth.
 - Earthquake
 - Tsunami
 - Tornado
 - Hurricane
 - Volcano
 - Landslide



The Importance of Earth Science

- Earth provides the resources that make life as we know it possible.
- Earth scientists strive to help people use these resources wisely.



THE END????

