

## Oceans & Atmosphere

Objective		
1. Describe tidal impact due to the gravitational interaction between the Earth and moon.		
2. Explain differential heating of the earth's surface (water temperature vs. land temperature)		
3. Explain how the density of ocean water is affected by temperature and how this results in major ocean currents distributing heat away from the equator toward the poles.		
4. Explain how coastal climates are moderated by water (due to its high specific heat capacity) in comparison to inland climates.		
5. Summarize information from charts and graphs regarding layers of the atmosphere, temperature, chemical composition, and interaction with radiant energy.		
6. Explain how the earth's magnetic field protects the planet from the harmful effects of radiation.		