

## Study Guide: Unit 4: Earth Systems and Patterns

**SC.6.E.7.4 (DOK Level 3) Differentiate, demonstrate, and describe the interactions among the Earth's spheres.**

- *Geosphere,*
- *Hydrosphere,*
- *Cryosphere,*
- *Atmosphere,*
- *Biosphere*

**SC.6.E.7.9 (DOK Level 2) Describe the structure and composition of the Earth's atmosphere, the functions of the four main layers of the atmosphere, how the atmosphere protects life and insulates the planet, and the impacts to life if the atmosphere is compromised due to climate change and ozone depletion**

- *Troposphere,*
- *Stratosphere,*
- *Mesosphere,*
- *Thermosphere*

**HE.6.C.1.3 Identify how environmental factors, such as air and water quality, affect personal health.**

**Prefixes and Suffixes to know**

- *Inter-*
- *Atnos-*
- *Bio-*
- *Cryo-*
- *Geo-*
- *Hydro-*
- *Tropo-*
- *Strato-*
- *Meso-*
- *Thermo-*