BIG IDEA for Earth’s Atmosphere

S6E4. Obtain, evaluate, and communicate information about how the sun, land, and water affect climate and weather.

a. Analyze and interpret data to compare and contrast the composition of Earth’s atmospheric layers (including the ozone layer) and greenhouse gases.

* The Earth’s atmosphere is like a blanket that wraps around the Earth and protects the Earth from harmful Ultra Violet rays of the Sun.
* Earth’s atmospheric layers include the troposphere, stratosphere, mesosphere, and thermosphere.
* The earth has a layered atmosphere
* The Troposphere is the most dense. Almost all weather is in the Troposphere.
* The Stratosphere has the ozone layer, which absorbs and scatters the solar ultraviolet radiation, is in this layer.
* The Mesosphere is where meteors burn up due to friction.
* The Thermosphere is where Aurora Borealis occurs and satellites circle the Earth.