**Atmosphere Layers**

**78% Nitrogen**

**21% oxygen**

**1% divided between carbon dioxide, water vapor and other trace gases.**

**Troposphere**

**Colder**

**Warmer**

* **0-6 miles up**
* **59 to -85 degrees F**
* **We Live here**
* **Weather happens here**
* **Temps go from warmer to colder**

**Stratosphere**

Warmer

Cooler

* **6-18 miles above the Earth’s surface**
* **Temperatures from -60 to 5 degrees F**
* **The temperature INCREASES as you go up**
* **The ozone layer is here!!**

**Mesosphere**

Cooler

Warmer

* **18-31 miles above the Earth’s surface**
* **Temps go from 5 to -184 degrees F**
* **Temperatures decrease as you go up**
* **Meteors are destroyed here**

**Ionosphere**

* **First part of the thermosphere**
* **Nitrogen and oxygen atoms absorb harmful solar energy like x-rays and gamma rays**
* **31-250 miles above the earth’s surface**

**Exosphere**

 **2nd part**

* **250-600 miles up**
* **135 to -2700 degrees F**
* **600 + miles**
* **Extends into outer space**

**Thermosphere divided into two parts**