

THE ATMOSPHERE

Chap 15-1

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Composition of the Atmosphere

- * Atmosphere

- * Layers of gas that surrounds a planet or moon

- * Need to breath

- * Protection from sun

- * Keeps heat in

Composition of Atmosphere

- * Gasses in Atmosphere

- * 78% - Nitrogen

- * 21% - Oxygen

- * 1% - other gasses (carbon dioxide, argon, water vapor)

Layers of the Atmosphere

- * Troposphere

- * Lowest layer 0-10 km

- * All life exists

- * All weather

- * Temp down as Altitude goes up

Layers of the Atmosphere

- * Stratosphere

- * 10-50 km

- * very thin air, no moisture

- * - 60° C

- * Ozone Layer

Layers of the Atmosphere

- * Mesosphere

- * Middle layer - 50 - 80 km

- * Coldest layer

- * Protects from meteoroids

- * Temp down / Altitude up - 93°C

Layers of the Atmosphere

- * Thermosphere

- * upper layer 80- 100 km

- * Northern Lights

- * 1000° C - Temp up / Altitude up

- * due to solar radiation

- * does not feel hot

Layers of the Atmosphere

- * Exosphere

- * 400 km - 1000 km

- * Spaces station

- * Passed is outer space