

## Questions: Atmospheric Structure

What are the most common gases in the atmosphere?

Name some examples of greenhouse gases

Do air pressure and density increase or decrease with altitude?

Decrease

Name the 5 primary layers of the atmosphere

At what average altitude does the Tropopause occur?

Where is the Troposphere thickest, equator or poles?

Does temperature increase or decrease in the Troposphere?

Does temperature increase or decrease in the Stratosphere?

In what layer are most clouds found?

In what other layers are clouds found?

How is the Troposphere heated?

In what layer is most of the ozone found?

The Ionosphere is another name for what 3 layers?

From what does the magnetosphere protect the earth?

What is the name for the shock wave boundary where the magnetosphere encounters the solar wind on the day side of the earth?

What causes the Aurorae?

Where is the planetary boundary layer?

How does the PBL differ from day to night in term of atmospheric mixing?

What is a characteristic of the change in temperature with height at the Tropopause?

What color of light is scattered more by the atmosphere, blue or red?