
READING ACTIVITIES

1.1. Copy and complete, with the information from the text, the following chart about the layers of the Earth's atmosphere

| Layer of the atmosphere | Temperature variation (°C) | Thickness (km) | Name of its upper limit | Important events that occurs here |
|------------------------------|--------------------------------|---------------------|-------------------------|---|
| Troposphere | From 15°C to -50°C | From 0 km to 12 km | Tropopause | Meteorological phenomena |
| Stratosphere | From -50°C to 0°C | From 12 km to 50 km | Stratopause | Ozone layer (absorbs the ultraviolet radiation) |
| Mesosphere | From 0°C to -100°C | From 50 km to 80 km | Mesopause | Meteors burns up (shooting stars) |
| Thermosphere (or Ionosphere) | From -100°C to more than 100°C | From 80 km upward | Thermopause | Absorbs the infrared radiation and other harmful radiations Reflects radio and television waves back to the Earth Aurora borealis takes place here. |

1.2. Answer these questions about the atmosphere:

- a. Which is the closest atmosphere's layer to the Earth?

The closest atmosphere's layer to the Earth is the **Troposphere**.

And the farthest?

The farthest atmosphere's layer to the Earth is the **Thermosphere**.

- b. Which layer reflects the radio and television waves back to the Earth?

The **Thermosphere** or **Ionosphere** reflects the *radio* and *television waves* back to the Earth.

- c. Where do the meteorological phenomena take place?

Meteorological phenomena take place in the **Troposphere**.

- d. Where is the ultraviolet radiation absorbed?

The *ultraviolet radiation* is absorbed in the **ozone layer**. It is in the **Stratosphere**.

And the infrared radiation?

The *infrared radiation* is absorbed in the **Thermosphere**.