

Name _____

Layers of the Atmosphere



Troposphere

- Extends _____ to _____ km (10 miles)
- Layer that is _____ to the Earth.
- _____ live in this layer.
- _____ occurs in this layer.
- Makes up _____% of the Earth's atmosphere.
- Heat for this layer comes from _____
_____.
- In this layer, you will find: _____, planes, and
_____.

Stratosphere

- Extends _____ km (30 miles)
- Layer where the most of the _____ is located.
- _____ can reach this layer.
- Most of the heat comes from the _____
_____.
- As you go further _____, it gets _____.
- In this layer, you will find: the _____
_____.

Mesosphere

- Extends _____ km (53 miles)
- Temperature is very _____. About _____°C
(-130°F)
- Air is very _____.
- _____ burn up in this level.
- Without this layer, the Earth would have the same texture
as the _____.
- In this layer, you will find: _____.

Thermosphere

- Extends to _____ km (370 miles)
- This layer is _____.
- The _____ is _____.
- In this layer, you will find: _____,
also known as the _____.

Exosphere

- Extends _____ km (6,000 miles)
- _____ layer of the atmosphere.
- _____ layer.
- Begins _____ space.
- _____ and molecules escape via this layer.
- In this layer, you will find: _____
_____.

Troposphere

- Extends **0** to **16** km (10 miles)
- Layer that is **closest** to the Earth.
- **People** live in this layer.
- **Weather** occurs in this layer.
- Makes up **80%** of the Earth's atmosphere.
- Heat for this layer comes **Earth's surface**.
- In this layer, you will find: **animals**, planes, and **people**.

Stratosphere

- Extends **50** km (30 miles)
- Layer where the most of the **ozone** is located.
- **Weather balloons** can reach this layer.
- Most of the heat comes from the **Ozone Layer**.
- As you go further **up**, it gets **warmer**.
- In this layer, you will find: the **Ozone Layer**.

Mesosphere

- Extends **85** km (53 miles)
- Temperature is very **cold**. About **-90°C**
(-130°F)
- Air is very **thin**.
- **Meteors** burn up in this level.
- Without this layer, the Earth would have the same texture as the **Moon**.
- In this layer, you will find: **meteors**.

Thermosphere

- Extends to **600** km (370 miles)
- This layer is **very thin**.
- The **temperature** is **very hot**.
- In this layer, you will find: **Aurora Borealis**,

also known as the **Northern Lights**.

Exosphere

- Extends **10,000** km (6,000 miles)
- **Final** layer of the atmosphere.
- **Very thin** layer.
- Begins **outer** space.
- **Atoms** and molecules escape via this layer.
- In this layer, you will find: **manmade satellites**.