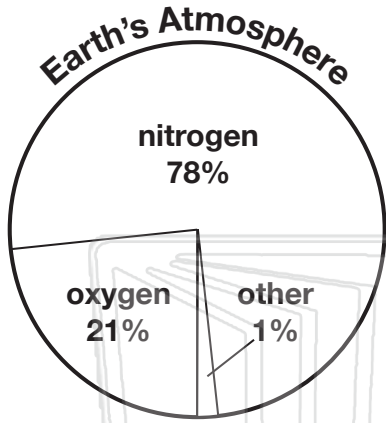




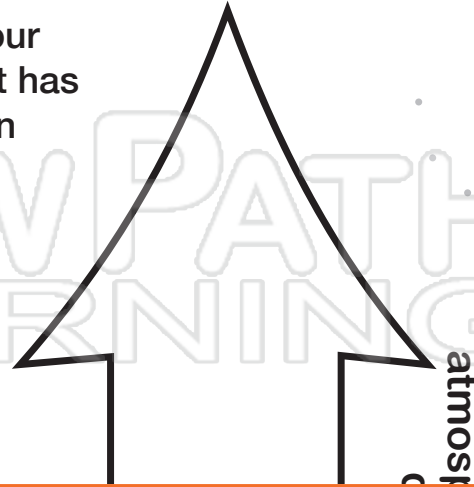
Earth's Atmosphere

Name _____ Class _____ Date _____



Layers of Earth's Atmosphere

The Earth is unique in our solar system because it has an **atmosphere** that can support life.



The **outermost** layer of Earth's atmosphere is called the **exosphere**. Only very light gases, like hydrogen, helium and individual

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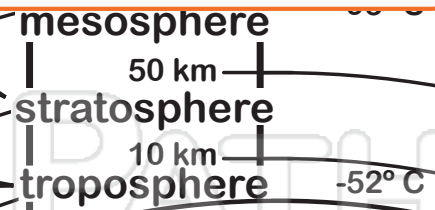
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stratosphere includes the **ozone layer**.

The **troposphere** is the layer of the atmosphere in which **we live**. Oxygen, nitrogen, carbon dioxide, water vapor, pollution and **weather** are found in this layer.





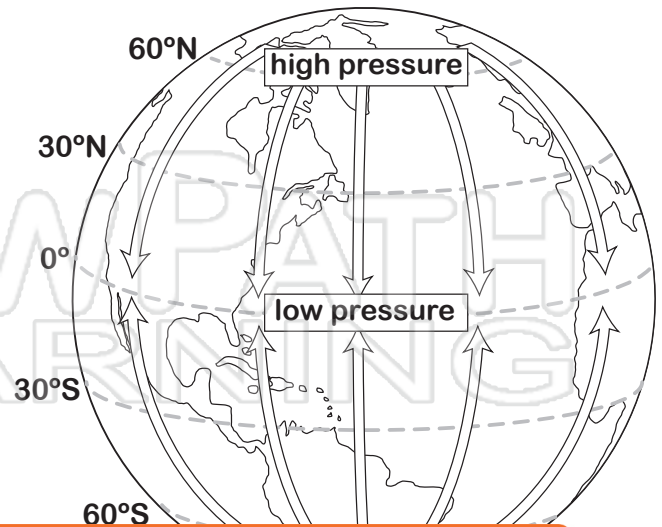
Earth's Atmosphere

Name _____ Class _____ Date _____

Properties of Earth's Atmosphere

Air Pressure

Earth's **atmosphere** has **mass** and **weight** because it contains gaseous elements that have mass and weight. The force that gases in the atmosphere exert on a surface is called **air pressure** or **atmospheric pressure**.



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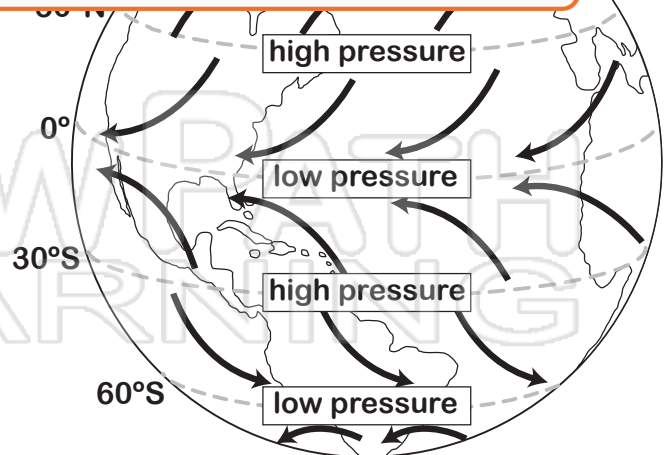
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Type

The winds that blow from 30° latitude (north and south) and in a westerly direction are called the **trade winds**.

The **westerlies** are winds that blow from the southwest to the northeast from 30° to 60° latitude (north and south).

The **easterlies** are winds that blow toward the west from the poles to 60° latitude (north and south).





Earth's Atmosphere

Name _____ Class _____ Date _____

Label the diagram below. Describe the different layers of atmosphere.

Blank writing area for labeling the diagram.

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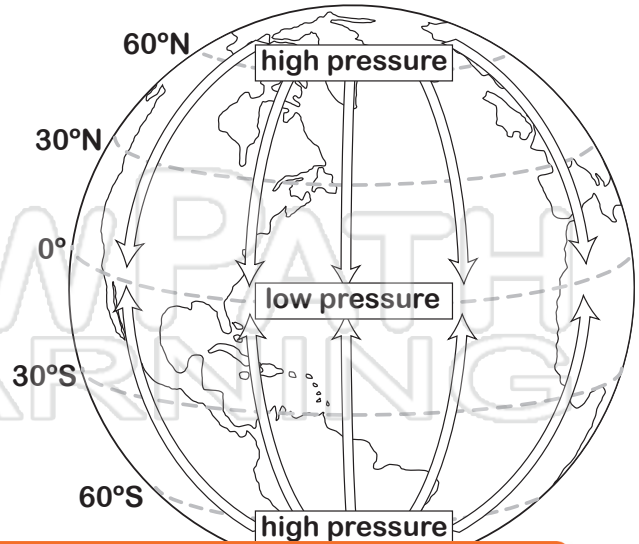


Earth's Atmosphere

Name _____ Class _____ Date _____

Describe the properties of Earth's atmosphere.

Air Pressure



60°N

30°N

0°

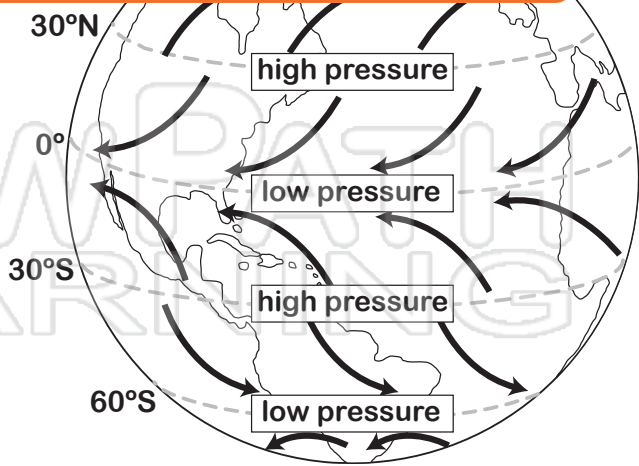
30°S

60°S

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Type _____





Earth's Atmosphere

Answer Key Example

Label the diagram below. Describe the different layers of atmosphere.

The outermost layer of Earth's atmosphere. Only very light gases, like hydrogen, helium and oxygen molecules are found here.

The uppermost atmospheric layer. The ionosphere is the upper part of the thermosphere and is a portion of the

atmosphere. It is the form

Mesosphere is the layer in the

The temperature increases with altitude in the mesosphere. It includes

The layer of the atmosphere in which we live. Oxygen, nitrogen, carbon dioxide, water vapor, pollution and weather are found in this layer.



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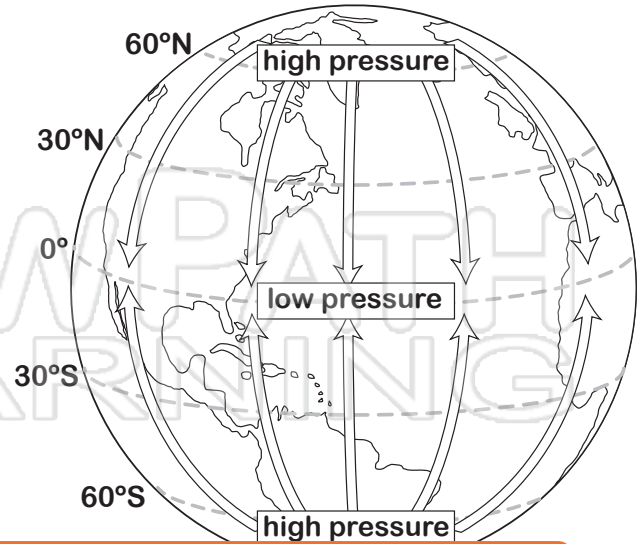
Earth's Atmosphere

Answer Key Example

Describe the properties of Earth's atmosphere.

Air Pressure

Earth's atmosphere has mass and weight. The force that gases in the atmosphere exert on a surface is called air pressure or atmospheric pressure.



es

eat

30°

PREVIEW

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Trace winds blow from 60° latitude (north and south) in a westerly direction. Westerlies are winds that blow from the southwest to the northeast from 30° to 60° latitude (north and south). Easterlies blow toward the west from the poles to 60° latitude (north and south).

