

Unit 7 Lesson 1

1. atmosphere ~ the gases that surround the Earth
2. meteorology ~ the science of studying and predicting the weather
3. wind ~ the movement of gases in the atmosphere that create or affect local weather
4. meteorologist ~ scientist who studies weather and climate by paying close attention to the atmosphere

Unit 7 Lesson 1

Create a bar graph and a pie chart to represent the percentage of gases in Earth's atmosphere.

Nitrogen = 78%

Oxygen = 21%

Argon = 0.9%

Trace Gases = 0.1%

Trace means a very small quantity.

Trace gases in Earth's atmosphere include carbon dioxide, nitrous oxides, methane, and ozone.

Unit 7 Lesson 2

1. water cycle ~ the movement of water from the Earth to the atmosphere and back to the Earth; the only way that Earth is supplied with fresh water
2. evaporation ~ when a liquid changes into a gas; water in the form of a gas is called water vapor
3. humidity ~ the presence of water vapor in the air
4. condensation ~ when a gas changes into a liquid
5. precipitation ~ any form of water that falls from the atmosphere

Unit 7 Lesson 4

1. climate ~ the weather pattern of a region over many years

Unit 7 Lesson 8

1. convection ~ the flow of fluid from one place to another because of a difference in temperature
2. air mass ~ a body of air that has similar properties throughout; warm form over the tropics, cold form over polar regions, and moist form over the oceans
3. front ~ boundary between two air masses; there are stationary fronts, warm fronts, cold fronts, and occluded fronts