

Name:

Pre-Test Score: out of 16

Empower Learner Activity - Self-Assessment

Atmosphere Unit

Directions: For each of the following statements, copy and paste the following icons where they apply to you:



if you can do this by yourself



if you can do this with some help



if you can do this with a LoT of help

Before

After

I Can... describe the mixture of gases in Earth's atmosphere.

I Can... describe the mixture of gases in Earth's atmosphere.

I Can... list the layers of the atmosphere.

I Can... list the layers of the atmosphere.

I Can... describe how air pressure and temperature change as altitude increases.

I Can... describe how air pressure and temperature change as altitude increases.

I Can... describe how energy from the Sun influences the atmosphere.

I Can... describe how energy from the Sun influences the atmosphere.

I Can... describe the greenhouse effect.

I Can... describe the greenhouse effect.

I Can... define "weather."

I Can... define "weather."

I Can... compare and contrast relative and absolute humidity.

I Can... compare and contrast relative and absolute humidity.

I Can... identify at least 5 cloud types.

I Can... identify at least 5 cloud types.

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Before the unit begins, answer the following questions in the “Before” column. For true/false questions, if you disagree, you must explain why.

Question	Before	After
How does Earth’s atmosphere affect life on Earth?		
True or False: Air is empty space.		
True or False: Earth’s atmosphere is important to living organisms.		
True or False: All energy from the Sun reaches Earth’s surface.		
True or False: Earth emits energy back into the atmosphere.		
True or False: Uneven heating in different parts of the atmosphere creates air circulation patterns.		
True or False: Warm air sinks and cold air rises.		
True or False: Weather is the long-term average of atmospheric patterns of an area.		
True or False: All clouds are at the same altitude within the atmosphere.		