

Name _____ Date _____ Per _____

The Earth's Atmosphere Test Study Guide

Is Air Matter? Activities

1. Does air have mass? How do you know?
2. Does air take up space? How do you know?
3. Is air matter? Explain.

Characteristics of the Atmosphere: Composition and Pressure

1. What is the atmosphere?
2. What is the first and second most common gas in the atmosphere?
3. What is water vapor?
4. What is air pressure?
5. What happens to air pressure as you go higher in the atmosphere?

Air Pressure Demonstrations

1. What holds the earth's atmosphere in place?
2. What is the air pressure inside a vacuum?
3. Why does a balloon pop in a vacuum (explain or draw a picture)
4. What happens to a marshmallow if you put it in a vacuum and then let the air back in? Explain why.
5. Why did the teacher heat the air inside the bottle? What did this cause the air to do?
6. Explain why the egg went into the bottle after the air was heated.