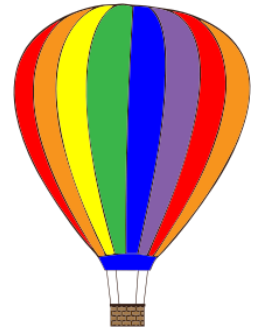


Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_

# CHARACTERISTICS OF THE ATMOSPHERE

Directions - Use pages 393 to 397 in the red Earth Science Text book.

1. The atmosphere is
2. That atmosphere is made up of
  - a. 78% \_\_\_\_\_
  - b. 21% \_\_\_\_\_
  - c. 1% \_\_\_\_\_ such as  
\_\_\_\_\_



3. What else is in the atmosphere?

## Atmospheric Pressure and Temperature

4. Air pressure is
5. What keeps the atmosphere around the Earth?



6. Air pressure changes with:
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
7. Explain how a human pyramid explains the air pressure on Earth.
8. Why do the temperatures change at the different layers in the atmosphere?

### Layers of the Atmosphere

9. Complete the data table to explain the characteristic of each of the atmospheric layers.

Layer	Composition (gases in that layer) and Characteristics

10. Use the graph on page 394, to complete the data table, showing the air pressure (mB) and temperature (°C) of each layer.

Layer	Pressure (mB)	Temperature (°C)

11. How can the thermosphere have high temperatures but not *feel* hot?