

Dew Drops

Section: The Chemistry of Earth and Life Sciences

Name: _____

Date: _____

Inquiry Question

Write down what you'll be learning today! What do you want to understand?

Procedure

1. Fill jar halfway with hot water.
2. Put a lid on the jar, then place it on a table and observe.
3. Next, pour the water out of the jar and dry completely.
4. Fill jar halfway with cold water and ice cubes.
5. Put a lid on the jar, then place it on a table and observe.

Observations, Data Collection & Analysis

Write down your observations below.

1. Draw diagrams of water as a solid, liquid, and gas. What does each look like and what is different? At which temperature would you find each example?

2. Make a prediction: what will happen when you fill the jar with hot water? What about ice water? Why?

3. Draw a picture and describe what you see when the jar is filled with hot water and when the jar is filled with ice water. Is each similar or different from your predictions?

4. When do the water droplets form on the inside? On the outside?

5. How did the water droplets get there?

6. The physical change when a gas becomes a liquid is called _____.

7. The physical change when a liquid becomes a gas is called _____.

8. Have you ever seen the processes of condensation and vaporization take place at home? If so, when? If not, provide another example of each change.
