

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

## Student Worksheet Creating Clouds

### OBJECTIVE

To observe how clouds are formed by the presence of condensation nuclei.

To practice identifying clouds using a cloud chart.

To test weather predictions based on the types of clouds observed against the actual weather.

### MATERIALS

- mayonnaise or pickle jar with lid
- 2 ice cubes
- hot water
- match

### PROCEDURE

1. Pour the hot water into the jar to a height of about 1 cm.
2. Turn the jar lid upside down and place the ice cubes in the lid.
3. Light the match and drop it into the jar.
4. Place the jar lid on top of the jar with the top of the lid on the top of the jar and the ice still sitting in the lid.
5. Record your observations.

### OBSERVATIONS

(CLOUD TYPES AND WEATHER PREDICTION ACTIVITY on reverse side of page)

## CLOUDS AND WEATHER

Observe the sky for one week. Using cloud charts, in print or online, record the cloud type and the percentage of sky that is covered with clouds. Make weather predictions based on the clouds (using Student Worksheet Cloud Types and Precipitation) and check to see how accurate your predictions were.

Date	Cloud Type	% Covered	Weather Observations	Weather Predictions