



## Let's Dew It!

What temperature would it have to be in the room for moisture in the air to form fog right now? Find out when you do this experiment.

### Directions

- 1 Record the temperature of the water when you start.

(This is also the room temperature.) \_\_\_\_\_

- 2 Add ice cubes to the water, one at a time, and stir.

- 3 Use the magnifying glass to watch for water droplets on the outside of the can. As soon as you see tiny droplets, read and record the temperature of the water in the can.

(This is the dew point temperature.) \_\_\_\_\_

- 4 How much would you have to lower the temperature in the room for fog to form right now?

(Subtract the dew point temperature in Step 3 from the room temperature in Step 1.) \_\_\_\_\_

### Materials

- magnifying lens
- 12- to 16-ounce metal can
- water, room temperature, enough to fill can halfway
- 6 to 10 ice cubes
- spoon
- thermometer