

# Grade 2

## Week 2

### ICE WATER IN THE TIN CAN

#### **MATERIALS:**

water

ice cubes

empty tin can (for best results, use a tin can with no paper label)

#### **PROCEDURE:**

1. Dry can thoroughly before filling  $\frac{3}{4}$  full with water.  
Observe outside surface of can.
2. Add several ice cubes so that water level is about an inch from the top. Observe outside surface of can for several minutes.

#### **QUESTIONS:**

1. What happened to the can after putting in water?
2. What happened after the ice cubes were added?
3. What do you think would happen if the can was left to stand for an hour? a day? a week?
4. Did the water droplets come from inside the can?
5. What does this experiment demonstrate?  
Look up the word condensation to help you.

#### **WHY IT WORKS:**

Warm air usually contains lots of water molecules. When the warm air touches something cold these molecules collect back into big drops that you can see. This is called condensation.