

Making Rain

Procedure

- 1. Observe** Fill a clear plastic cup one-half full of warm water from the tap. Place the cup on a paper towel. Add 2 drops of food coloring. Observe the properties of the water. Record your observations on the lines below.

- 2. Observe** Get an ice cube from the freezer. On the lines below, record your observations of the ice cube's properties.

- 3. Predict** Cover the plastic cup tightly with plastic wrap. Place the ice cube on top of the plastic wrap. Predict what will happen. Then watch what happens and record your observations. Write your prediction and your observations on the lines below.

Conclusion

Write the answers to the questions below.

1. **Hypothesize** What substance collected underneath the plastic wrap? Where do you think the substance came from? Draw a diagram to explain your idea.

2. **Infer** What kind of change took place on top of the plastic wrap? What kind of change took place beneath the plastic wrap?

3. **Experiment** Design an experiment to test your hypothesis. How could you prove where the substance came from?

Investigate More!

Design an Experiment Use what you know about ice and liquid water to design an experiment to show that mass is conserved when ice melts.

