Chapter Science Investigation Name _____

Changing Water

What You Need

water

cups

rubber band

plastic wrap

marker

Find Out

Do this activity to see what happens to liquid water over time.

Process Skills

Predicting
Observing
Communicating
Inferring

Time

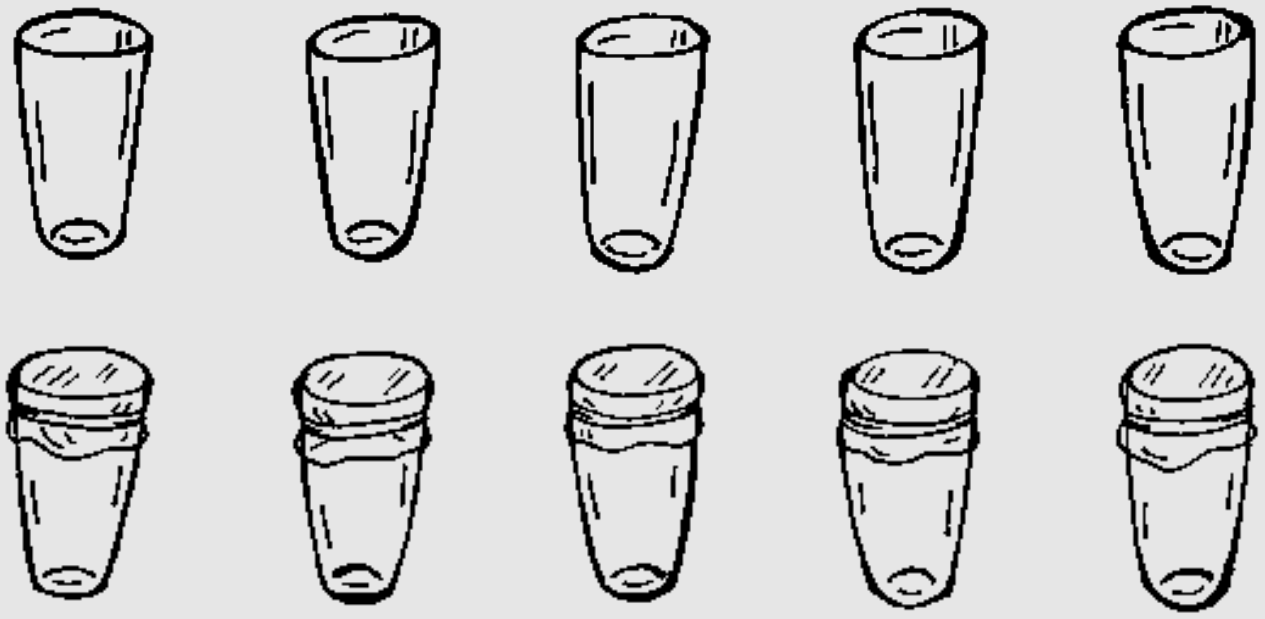
- 20 minutes the first day
- 5 minutes a day for two weeks

What to Do

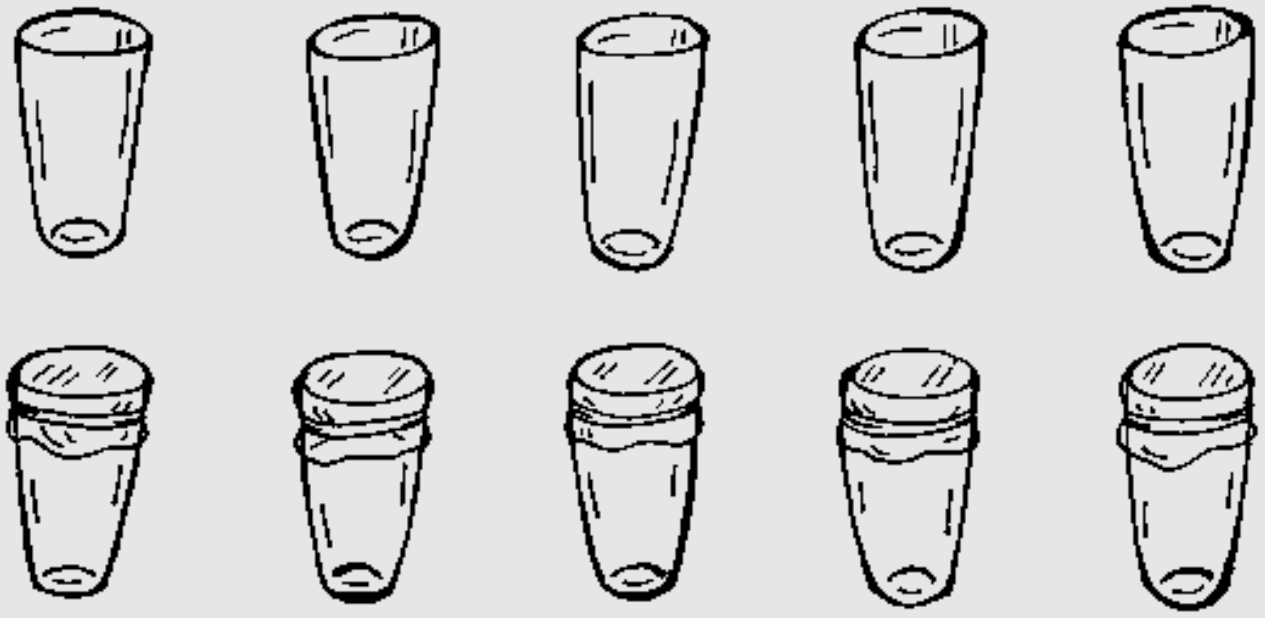
1. Pour some water in a cup.
2. Put the same amount of water in another cup.
3. Cover one of the cups with plastic wrap. Put a rubber band around the cup to keep the plastic wrap tight.
4. Mark each cup to show how high the water is.
5. Put both cups in a warm place.
6. **Predict** what you think will happen to the water in each cup.
7. **Look** at the cups each day. **Draw** what you see.

Draw what you see each day.

Week 1



Week 2



Drawings should show that both sets of cups start out with the same amount of water, but over time the uncovered cups have less water.

Conclusions

1. What happened to the water in each cup?

The uncovered cup has less water in it than the cup that was covered.

Some of the water in the covered cup is in drops on the plastic wrap.

2. Why do you think this happened?

The liquid water in the first cup went into the air. The water in the second cup stayed in the cup. The covered cup did not allow the water to escape into the air outside the cup.

New Questions

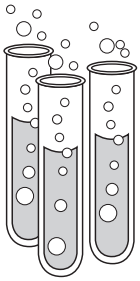
1. What would happen if both cups were uncovered?

If both cups were uncovered, both cups would have less water than they started with.

2. Ask a new question you have about how water changes.

Accept all new questions.

Name _____

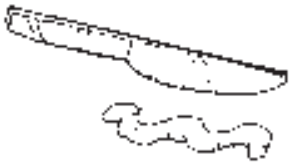


ACTIVITY

Changing Clay

Cut the clay worm into pieces.

Draw what it looks like.



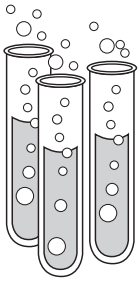
Drawings should look like segments of clay worms.

Name _____

Make a worm again. **Draw** what it looks like.

Drawings should look like a whole clay worm.

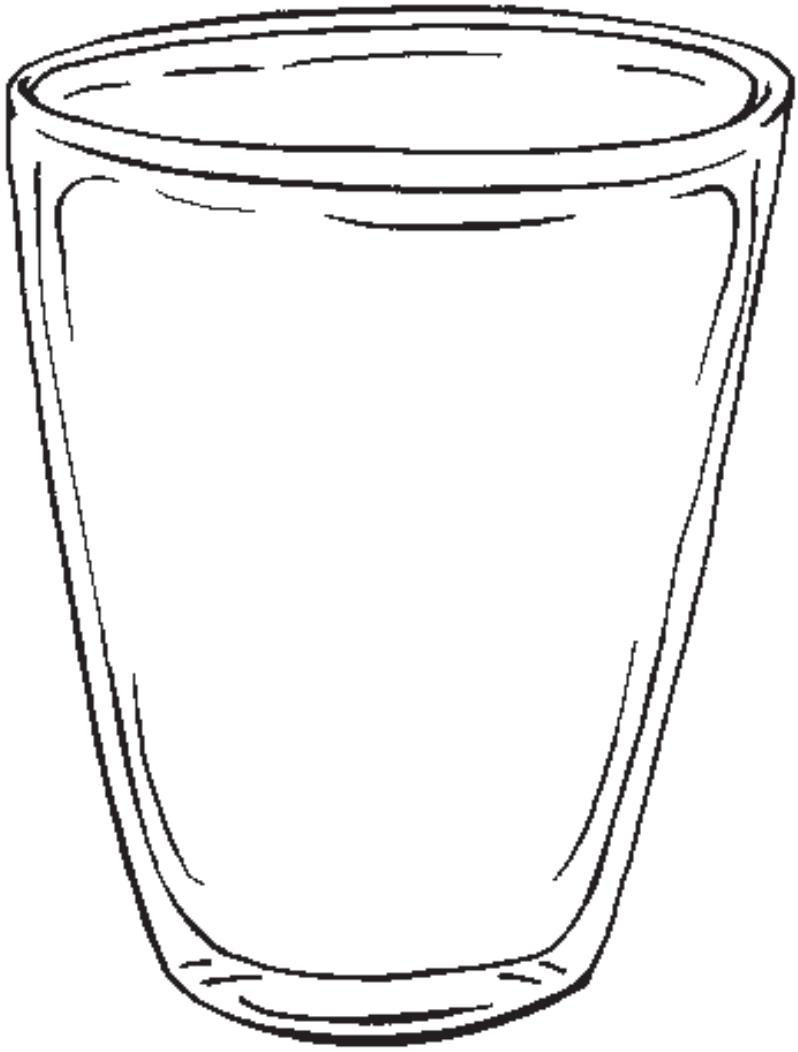
Name _____



ACTIVITY

Melting Ice

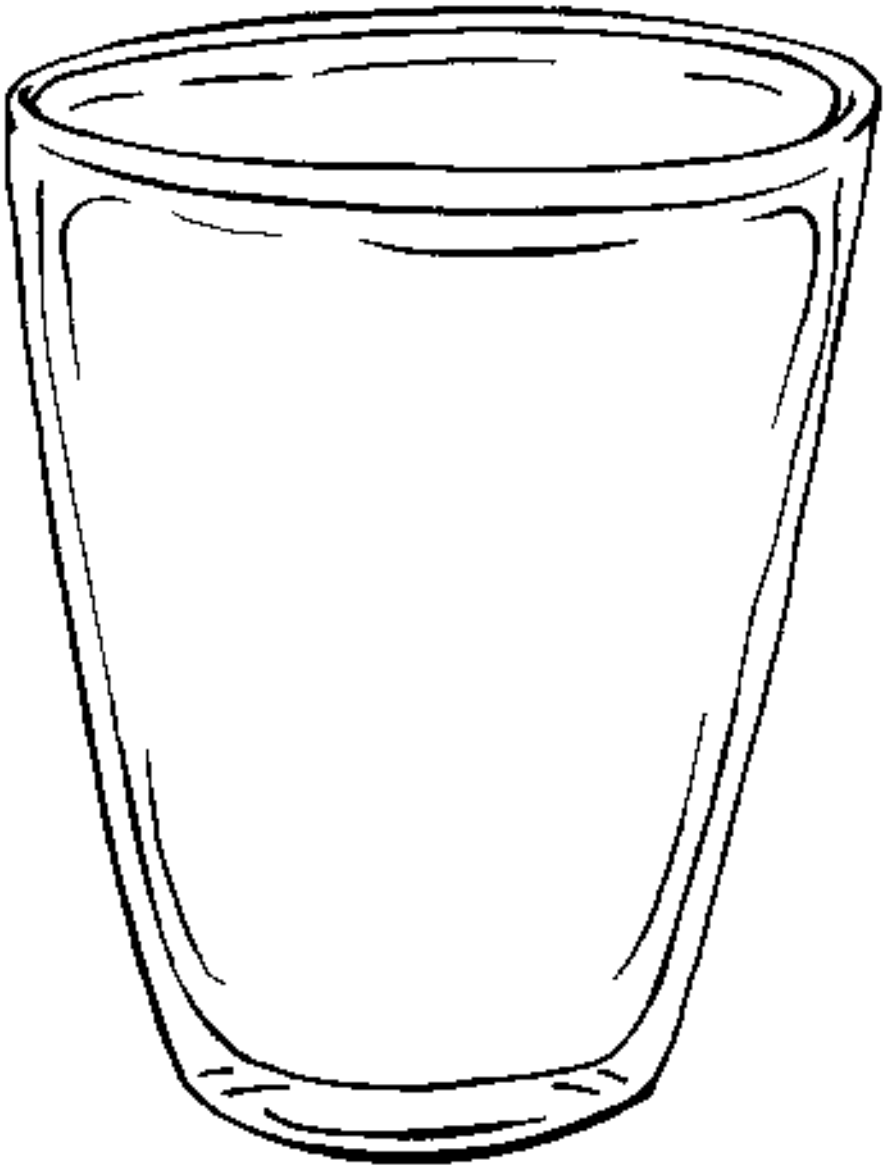
Draw the ice cube in the cup.



Drawings should show an ice cube in a cup.

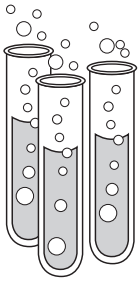
Name _____

Draw how the ice changed in the cup.



Drawings should show water in the cup or a partially melted ice cube with water.

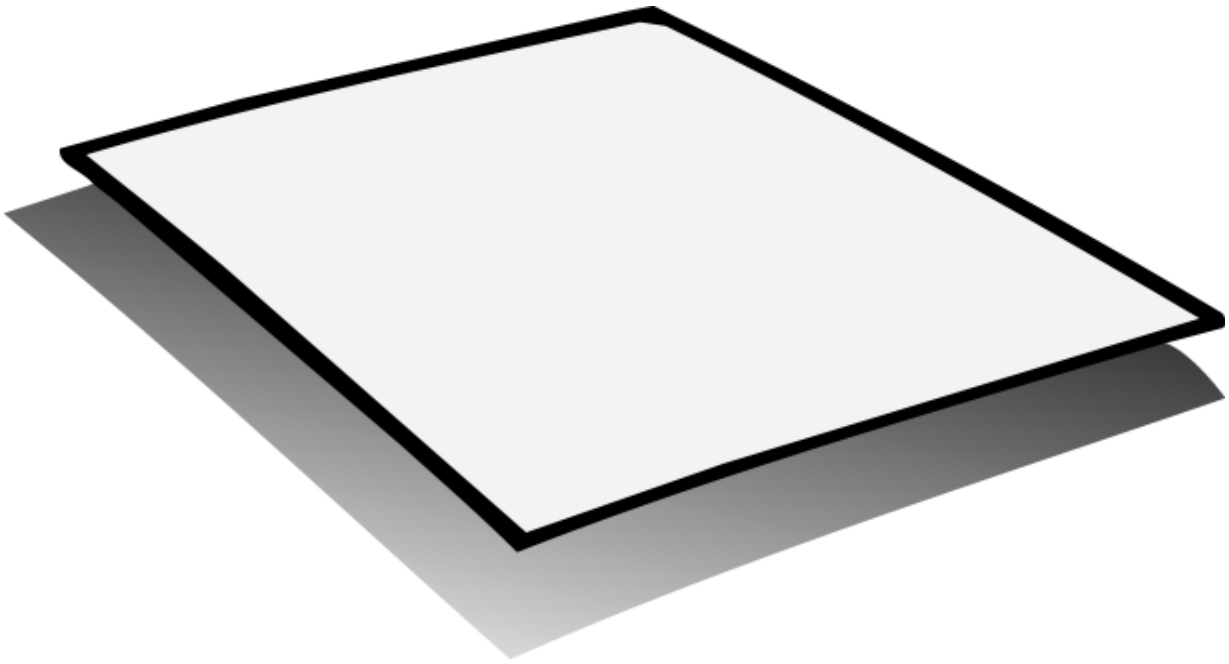
Name _____



ACTIVITY

Watching Water Change

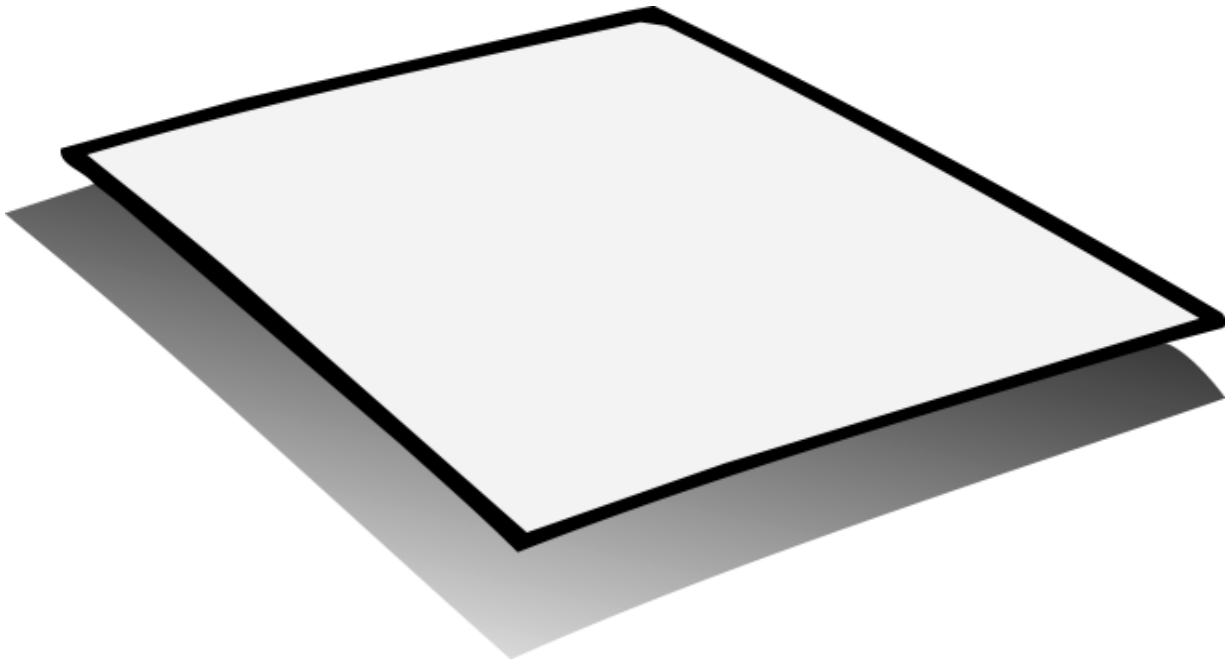
Predict what will happen to the paper.



Drawings will vary. Accept all predictions.

Name _____

Draw what happened to the paper.



Drawings should show drops of water (darkened spots) on the paper.