

## Activity 1.1

# HOW CAN YOU TEST TO SEE IF AIR TAKES UP SPACE?



*Take home and do with family and friends.*

### Materials Needed

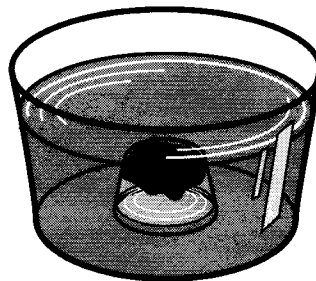
- 8-ounce clear plastic cup
- Facial tissue
- Deep bowl filled with water

### Procedure

1. Look at the cup. What is in it?
2. Crumple the tissue and put it in the bottom of the cup.
3. Turn the cup over (be sure the tissue does not fall out) and push it, mouth first, into a deep bowl of water.
4. Now remove the cup without tipping it.
5. What happened to the tissue?
6. What can you say about this?

Figure 1.1-1

**Bowl of Water with Inverted Cup at Bottom**



### Teacher Information

When the cup is lowered mouth first into the bowl of water, the air will be trapped inside the cup and prevent water from entering the cup. Thus, the tissue will remain dry.

**SKILLS:** Observing, inferring