

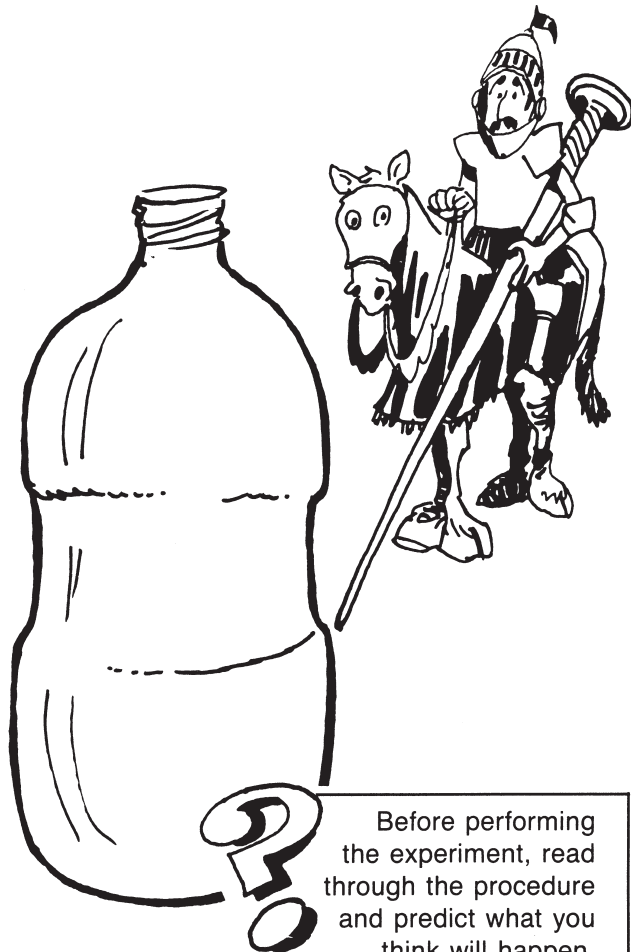
Punctured Plastic Bottle

You Will Need

- plastic soda pop, shampoo, or detergent bottle with screw on lid
- nail • water • masking tape

Procedure

1. Using a nail or ice pick, make a hole in the side of the bottle about 2" from the bottom.
2. Cover the hole with a piece of masking tape and fill the bottle with water.
3. Screw the lid onto the bottle.
4. Remove the masking tape that covers the hole. Observe for several seconds.
5. Unscrew the lid and remove it from the bottle. After five seconds, replace the lid or cover the top of the bottle with your hand.



Before performing the experiment, read through the procedure and predict what you think will happen.

Questions

1. What happened when the masking tape was removed?
2. Was there a change when the lid was removed? What caused this to happen?
3. Did a change take place when the lid was replaced or the opening was covered by your hand? Describe.
4. What is all around the outside of the bottle?
5. Tell what this experiment proves.

CAUTION: This activity should be conducted with adult supervision.

