

Name _____

Bubble Lab

Directions: Read the lab procedure carefully. Then answer the questions using complete sentences.



Realistic Lab Procedure Review

Lab Title: Trapping Gas in a Balloon

Purpose: To observe how a gas is created during a simple chemical reaction.

Materials

- One small plastic bottle
- One balloon
- Two tablespoons baking soda
- One half cup vinegar
- One small funnel
- Safety goggles

Safety Notes

- Wear **safety goggles** during the entire experiment.
- Do not taste any materials.
- Keep faces away from the bottle opening.

Procedure

1. Place the funnel inside the balloon opening.
2. Pour the baking soda through the funnel into the balloon.
3. Carefully remove the funnel while keeping the baking soda inside the balloon.
4. Pour the vinegar into the empty plastic bottle.
5. Stretch the balloon opening over the bottle opening without spilling the baking soda.
6. Lift the balloon so the baking soda falls into the bottle.
7. Observe what happens to the balloon.

Analysis and Comprehension Questions

1. What **two materials** create the gas in this experiment?
2. Which step requires the most **careful control** to avoid spills?
3. Why is it important to wear **safety goggles** during this lab?
4. Which material is placed in the balloon first?
5. What is the **main purpose** of this experiment?
6. What could happen if the balloon is not tightly sealed to the bottle?