

Name \_\_\_\_\_

## Bubble Lab Answer Key

1. The gas is created by baking soda and vinegar.
2. Step 5 requires the most careful control.
3. Safety goggles protect the eyes from splashes or sudden reactions.
4. Baking soda is placed in the balloon first.
5. The purpose is to observe how gas forms from a chemical reaction.
6. Gas could escape and the balloon may not inflate.

### Teacher's Guide

- This worksheet strengthens **procedural comprehension**, **lab safety awareness**, and **scientific reading accuracy**.
- For support, review each material with real objects before students read the procedure.
- For engagement, show a short demonstration after students complete the analysis.
- For extension, have students rewrite the procedure using **simpler wording** for younger grades.
- For challenge, ask students to identify where an **experimental error** could occur and how to prevent it.