

DIY Volcano Science Lab for Kids

Professional Printable Science Lab Sheet
Home & Classroom Use
kids-activities.net

This professional printable turns the classic volcano experiment into a real STEM learning experience. Children practice prediction, observation, testing variables, and reflection—just like real scientists.

Learning Objectives

- Understand cause-and-effect relationships
- Develop scientific observation skills
- Practice describing results using clear language
- Build confidence in hands-on science exploration

Materials Checklist

- Baking soda
- Vinegar
- Dish soap (optional)
- Food coloring (optional)
- Plastic bottle or cup
- Tray or container

Prediction

What do you think will happen?	
Will the eruption be fast or slow?	
What might make it bigger or smaller?	

Observation

What did you see?	
What did you hear?	
How long did it last?	
What surprised you?	

Change One Variable

What did you change?	
What stayed the same?	
What changed in the result?	

Reflection

I learned that...

Next time, I want to try...

This experiment made me feel...