Reaction: Yes or No?

Learning Objectives: Students will list and identify three characteristics of chemical reactions.

GRADE LEVEL
3 – 8

SCIENCE TOPICS
Solutions and Mixtures
Chemical Reactions

PROCESS SKILLS
Describing and Defining
Measuring
Explaining

GROUP SIZE
1 – 3

If available, goggles are recommended for this activity.

SNEAK PEAK inside …

ACTIVITY
Students mix household materials and observe color changes, fizzing, and heat.

STUDENT SUPPLIES
see next page for more supplies

- turmeric powder
- rubbing alcohol
- calcium chloride (from hardware stores)
- baking soda
- sealing plastic bags, etc.

ADVANCE PREPARATION
see next page for more details

- Dilute alcohol with water
- Set out plastic cups, etc.

OPTIONAL EXTRAS

DEMONSTRATION
- Acid Base Indicators (p. B - 36)
- Gas Production (p. B - 37)

EXTENSIONS
- Test Turmeric Indicator (p. B - 42)
- De-Icer Product Investigation (p. B - 43)

TIME REQUIRED

Advance Preparation  Set Up  Activity  Clean Up

- 15 minutes
- 5 minutes
- 20 minutes
- 5 minutes

Reaction: Yes or No?
Grades 3 – 8

B – 35

Chemistry in the K – 8 Classroom
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