

Chemical Change

Materials Needed: Baking soda, vinegar, beaker or glass jar

Questions for the Scientist:

1. How does a chemical change occur?
2. How does the mass of two substances change after a chemical change?

State Your Hypothesis: _____

Procedures:

1. Record the mass of two tablespoons of baking soda.
2. Pour the baking soda into a beaker or glass jar.
3. Slowly pour vinegar into the container and record the mass.
4. Observe what happens when the vinegar is added. Record what you see taking place.
5. Find the mass of the baking soda mixture again. Record the mass.

Key Questions:

1. Compare the masses of the substances before and after the chemical change.

2. What explains any changes in mass?

Results and Application:

After studying your results, what conclusions can you draw? Do your results support your hypothesis? Explain your reasoning.