Chemical Changes

Experiment 1

Cut an apple into two sections. Observe the exposed area immediately. After ten minutes observe what happens to the inside color. The oxygen in the air reacted chemically with the apple and caused a color change.

Experiment 2

Pour a quarter cup of vinegar into a clear plastic cup. Add a teaspoon of baking soda to the vinegar and observer. The vinegar reacted chemically with the baking soda and produced bubbles of carbon dioxide.

Experiment 3

Put a drop of green food color in a clear plastic cup. Add a half cup of water. Mix with a toothpick. Place some bleach in another cup using the medicine dropper. Add 30 drops of bleach to the water and green food color. Observe what happens. The bleaching of the green color by the bleach is an indication of a chemical change.

Experiment 4

Place a quarter cup of hydrogen peroxide in a clear plastic cup and add a slice of apple. Observe the slice of apple and check for the formation of bubbles. The decomposition of hydrogen peroxide to produce oxygen as one of the products is an example of a chemical change.