

Invisible Ink

Background

One of the indications of a chemical change is a change in color. This can be used to identify messages that have been hidden in the paper, waiting to be revealed!

Materials

- Baking soda
- Water
- Small cup
- White paper
- Paintbrush or Q-tip
- Sponge
- Grape Juice concentrate

Procedure

1. Mix equal parts baking soda and water in a small cup.
2. Write your secret message on the white paper using the mixture an a paintbrush or Q-tip.
3. Wait for the paper to dry, then pass the note to a friend.
4. To reveal the message, use a sponge, brush, or Q-tip to paint the paper with the grape juice concentrate.

What's happening?

The molecules in the grape juice interact with the molecules in the baking soda to create something with a different color. Because there's a color change we know a chemical change happened.