









Acids and Bases

Invisible Ink

Materials

-  Cotton swabs
-  Paper
-  Baking Soda
-  Water
-  2 Small Bowls
-  Grape Juice
-  Household Acids
-  Tablespoon



Students will mix acids and bases to gain a better understanding of chemical reactions.

3rd - 5th
Grade

Directions

1. In a small bowl, combine and stir about 1 tbsp water with 1 tbsp baking soda (base)
2. Dip one of the cotton swabs into the baking soda/ water mixture, making sure it is not saturated, and use it to write a message or draw a picture on the piece of paper
3. While you allow your “secret message” to dry and fade away, locate some household acids
 - a. Grape Juice works best!
 - b. Vinegar, lemon juice, orange juice
4. Once your paper has dried, dip a new cotton swab or paint brush into a bowl of one of the acids you found, and lightly paint over your message or picture you made
5. Do you notice a color change?
6. Try using different acids and see how they turn out!

