



WRITE WITH INVISIBLE INK

Send a mysterious message to someone, using ingredients you have at home!

MATERIALS:

- Lemon
- Small Bowl
- Water
- Spoon
- Paintbrush
- White paper



HOW TO DO IT:

1. To make the invisible ink, cut a lemon in half with the help of an adult. Squeeze the lemon juice into your small bowl and remove any lemon seeds you find.
2. Add a few drops of water to the lemon juice and stir with the spoon.
3. Use the ink you just created to write a message on a white piece of paper using the paintbrush.
4. Once the ink has dried, you can give the invisible note to someone. To read the mystery message, you'll need to hold the paper up to a heat source like a lamp.
5. Watch as the invisible ink slowly becomes visible! You're observing some cool chemistry! The lemon juice contains carbon, a chemical element. When you add heat some of the chemical bonds in the lemon juice break down, releasing the carbon. When the carbon meets the air it oxidizes and turns brown or black.
6. You can try this experiment with other acids like vinegar and orange juice – see which ones make the best ink!



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