



Simple Light Refraction Experiment

In this activity, you'll explore how light bends when it passes through different materials. This is known as refraction. You'll see how light behaves using a

simple experiment with water and a straw.

Materials Needed:

- A clear glass or plastic cup
- Water
- A drinking straw or pencil

Instructions:

1. Fill the clear cup about three-quarters full with water.
2. Place the straw or pencil into the cup at an angle.
3. Look at the straw from the side of the glass and observe what happens.
4. Slowly move your head around the cup and notice any changes in the appearance of the straw.

Why Does This Happen?

Light travels at different speeds through different materials. When it moves from air into water, it slows down and bends, causing the straw to appear broken or shifted. This bending of light is called refraction.