

Matter Experiment

Discover the Characteristics of Matter

Materials:

1. a wooden cube
2. a marble
3. an inflated balloon
4. a metric measuring cup
5. a small glass
6. a small bowl
7. a bottle of water

Teachers:

1. Decide how much water you want the students to measure depending on the size of the containers you provide for the experiment.
2. Print out one sheet per child or group.

Procedure:

1. Place a solid wood cube in a small glass and a marble in a small bowl. Gently shake the glass and the bowl. Observe and record any changes in the objects. Remove the objects from the bowl and the glass.
2. Use the measuring cup to measure the water (amount assigned by your teacher). Pour the water into the glass. Get the same amount of water again and pour it into the bowl. Observe the shape of the water in the glass and in the bowl and record your findings.
3. Press the inflated balloon with your hand and observe what happens to the matter inside the balloon. And observe what happens to it when you stop pressing the balloon. Record your findings. Predict what will happen with the air inside the balloon when you untie the balloon. Record your prediction.
4. Hold the balloon and slowly untie it. Observe what happens to the air inside the balloon. Record your findings.

Write your observations, your predictions, and your findings here. You may not fill in all cells.

		Observations	Predictions	Findings
1.	Wooden Cube & Marble			
2.	Water			
3.	Air in Balloon - Tied			
4.	Air in Balloon - Untied			