

OBSERVABLE PROPERTIES

In this Material Sorting and Classification Investigation students will examine a variety of objects and materials, using their senses to observe objects' properties.

INSTRUCTIONS:

STEP 1: Pick up each object and record its observable properties. Use your eyes to observe color and shape, your hands to feel texture and hardness, and your eyes again for transparency (whether you can see through it).

STEP 2: Classify the objects.

Group by texture: Place all rough materials in one pile, smooth ones in another.

Group by color: Separate materials by color.

Group by flexibility: Test which objects can bend and which ones can't.

Materials

Collection of objects made from different materials
(e.g., plastic cup, metal spoon, wooden block, fabric swatch, rubber band, glass jar, sponge, rock, etc.)

WHY IT'S A GOOD INVESTIGATION

This activity encourages the use of multiple senses to explore and understand the world. It also teaches students how to observe, describe, and classify, which are key science skills. It's interactive and fun, keeping young learners engaged. Students learn that the observable properties of materials can help us decide how to use them in real life.



Observable Properties

Use this worksheet to process and evaluate your observations.

<u>ITEM</u>	<u>COLOR</u>	<u>TRANSPARENCY</u>	<u>TEXTURE</u>	<u>SHAPE</u>	<u>FLEXIBILITY</u>

Group by texture: Place all rough materials in one pile, smooth ones in another.

Group by color: Separate materials by color.

Group by flexibility: Test which objects can bend and which ones can't.

Why did you put these items together?

What property did you use to decide?

