

Physical Properties Activity Bag

Colors, Shapes, and Much More: Student Activity Guide

You made many observations. We will make more observations to sort objects into groups.

Materials from the Bag

- All Objects In The Bag

You Will Need

- Student Activity Sheet

Part 1: Color

1. Take out the cotton ball.
2. Look at the cotton ball.
3. What color is it?
4. Put the cotton ball in the circle labeled white.
5. Take out any other white objects.
6. Put them in the circle labeled white.
7. Take out the other objects. One at a time.
8. Sort by color.
9. Write your own colors above the circle.
10. What colors did you add?
11. How many different colors do you have?

Part 2: Shape

1. Take out the penny.
2. Look at the penny.
3. What shape is it?
4. Put the penny in the circle labeled round.
5. Take out any other round objects.
6. Put them in the circle labeled round.
7. Take out the other objects.
8. Look at their shapes.
9. Sort them by similar shape.
10. Label each group.
11. What shape is the craft stick?

Part 3: Size

Objects come in many sizes. Some objects are big.

Some objects are small.

Step 1

1. Look at the Q-tip, craft stick, and color straw.
2. Place them in order. Smallest to biggest.
3. What is the smallest?
4. What is the biggest?
5. Look at the paperclip.
6. Compare the paperclip to the three objects.
7. Place it in the line. Smallest to biggest.
8. Put the objects back into the bag.

Step 2

1. Look at the penny, sandpaper, cottonball, plastic lid, rubberband, clay, and construction paper.
2. Place them in order. Smallest to biggest.
3. What is the smallest?
4. What is the biggest?

Step 3

1. Look at **ALL** of your objects.
2. Place them in order. Smallest to biggest.
3. What is the smallest?
4. What is the biggest?

Part 4: Weight

Weight is how heavy things are.

Think of a teeter totter. The heavier object is on the ground.



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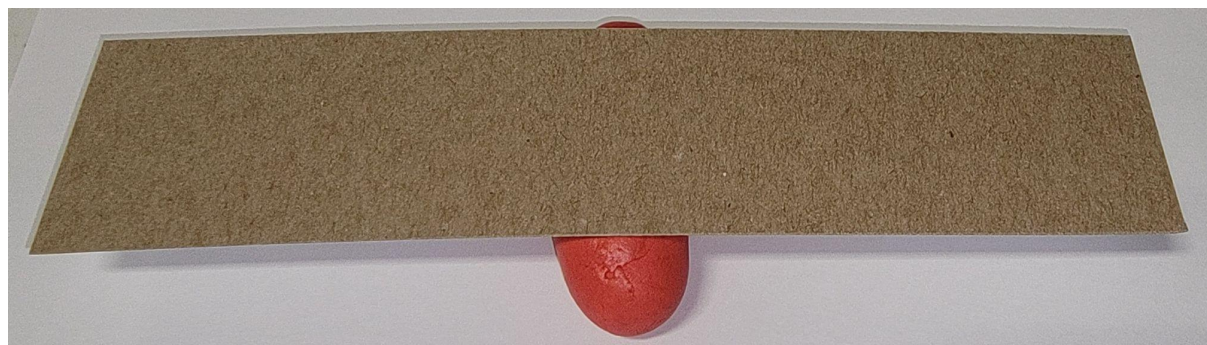
Which person is heavier?

1. Find the clay. Find the long brown piece of cardboard.

2. Mold the clay into this shape.



3. Place the cardboard on the clay. The clay is in the middle.



4. Hold the penny in one hand.
5. Hold the paper clip in the other hand.
6. Which one do you think is heavier?
7. Place the penny on one end of the teeter totter.
8. Place the paper clip on the other end.
9. Which one is heavier? How do you know?
10. Repeat with the cotton ball and paper clip.
11. Compare other objects.

Part 5: Texture

Texture is how something feels.

1. Touch each object.
2. Group the objects based on texture.
3. Label each group.
4. What object was rough?
5. Describe the texture of the clay.

Part 6: Flexibility

Many objects can bend. If an object bends it is flexible.

If an object does not bend it is rigid.

1. Touch the black straw.
2. Try to bend the straw. Is the straw flexible or rigid?
3. Write the word **straw on the correct side.**
4. Repeat with the clay, penny, Q-tip, paperclip, craft stick and rubberband.
5. Write the word on the correct side.