

SQUISHY SCIENCE

PHYSICAL PROPERTIES
OF MATERIALS

STUDENT WORKBOOK





REFLECT

You made and tested your own thermometer in the first activity. How cool! Let's think more about what was happening.



1. Write down 3 things you discovered about oobleck.



2. Write down 3 questions you have about oobleck.

WHAT'S GOING ON HERE?

You can better understand what is around you if you know how to describe it.

In this activity, you will learn about what makes oobleck so unique

LEARNING GOALS:



I can describe and classify materials based on their physical properties.

SOLIDS, LIQUIDS, AND GASES

WHAT
YOU NEED:

● FROM THE KIT:

- Balloon
- Cup
- Stirring rod

OTHER ITEMS:

- Water
- Gather solid items from around your home: apple, stick, rocks, paper

? a. Does it take the same shape as the container?

? b. What are two more examples of solids?

Things like sticks, apples, rocks, and paper are called solids. They don't flow like liquids, and they don't take the shape of their container.



In this photo, solids (marshmallows and a candy cane) and liquid (hot chocolate) are shown in a mug.)

STEP 3

Grab a balloon and blow into it until it is round.

? a. What is in the balloon when it's inflated?

? b. What are two examples of gases?

Gases can flow, even though you can't usually see them. They take the shape of their container and they can be squished or stretched to fit in a container.



Balloons come in all shapes and sizes.



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