Sample Sorters

Use color, texture, and shape to sort materials.

2.1 "Plan and carry out investigations to compare, contrast, and classify various solid and liquid materials according to physical properties, including color and texture."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline each sample's color and how it feels, then circle the shape clues to help you sort solids and liquids.

Mina Tests Four Samples

1. A solid keeps its own shape. A liquid takes the shape of its cup. Mina plans to sort four safe samples. She will look at each one, tip its cup, and gently touch a small drop or piece.

2. On a tray, a gray stone feels rough. A blue plastic lid feels smooth. Mina puts each in a cup and tips it. The stone and lid keep their own shapes. She writes down what she sees and feels.

3. In two cups, water is clear and feels wet. Liquid soap is blue and feels slippery. Mina tips each cup a little. The water and soap move and take the shape of their cups. Now she can sort all four samples.

2 ANSWER WITH EVIDENCE

Use the passage

1. Which two samples would you group as solids? What shape clue helps you decide?

2. How are the lid and soap alike in color but different in how they feel?

3. Which two samples would you group as liquids? How are their colors different?

3 YOUR TURN

Your own words

Choose two safe materials that are not in the passage. In three sentences, tell how you would check their color, feel, and shape, then predict each material's color, feel, and solid or liquid group.

Sample Sorters

PART 1 · READ AND MARK

Underline each sample's color and how it feels, then circle the shape clues to help you sort solids and liquids. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	Which two samples would you group as solids? What shape clue helps you decide?	**The stone and plastic lid are solids because they keep their own shapes.**
2	How are the lid and soap alike in color but different in how they feel?	**Both are blue. The lid feels smooth, but the soap feels slippery.**
3	Which two samples would you group as liquids? How are their colors different?	**Water and soap are liquids because they take the shape of their cups. Water is clear, and the soap is blue.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

I would look at an orange pencil and white school glue, gently touch each, and see if each keeps its shape or takes a cup's shape. I predict the pencil will be orange and smooth, and I will group it as a solid. I predict the glue will be white and sticky, and I will group it as a liquid.

For Part 3, accept reasonable predictions for two safe materials not named in the passage. The response should explain a way to check color, texture, and shape and give a solid or liquid group for each material.