

Matter Makers

Read closely to notice how materials look, feel, and change.

2.6 "Matter and its properties. The student knows that matter has physical properties that determine how it is described, classified, and used. The student is expected to: classify matter by observable physical properties, including texture..."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline words that tell about texture, flexibility, or temperature. Circle each material that is called a solid or a liquid.

Maya's Maker Table

- ① At the Maker Table, Maya sorts materials before building. A sponge is soft and flexible. A wooden cube is hard and not flexible. Both are solids. Water in a cup is a liquid and feels cooler than warm soup.
- ② To change a material, Maya uses a process. She cuts a sheet of paper into strips. The paper's size and shape change, but it is still a solid. She folds one strip and sands a rough wood edge until it feels smoother. This changes properties.
- ③ Next, Maya combines small building blocks. She snaps several hard blocks together to make a bridge for a toy car. Later, she takes the bridge apart and reassembles the same blocks as a tall holder for pencils. Hard blocks keep both objects standing.

2 ANSWER WITH EVIDENCE _____ Use the passage

- 1** How are the sponge and wooden cube different? Tell one property of each, and classify both as solid or liquid.

- 2** What happened when Maya cut the paper? What happened when she sanded the wood edge?

- 3** Why were hard building blocks a good choice for Maya's bridge and pencil holder?

3 YOUR TURN _____ Your own words

In panels 1 and 2, draw one solid material before and after you cut, fold, or sand it. Label one property that changes. In panel 3, draw a useful object reassembled from small building blocks, label its purpose and a block property, then explain your choices on the lines.

		
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PART 1 • READ AND MARK

Underline words that tell about texture, flexibility, or temperature. Circle each material that is called a solid or a liquid. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	How are the sponge and wooden cube different? Tell one property of each, and classify both as solid or liquid.	The sponge is soft and flexible. The wooden cube is hard and not flexible. Both are solids.
2	What happened when Maya cut the paper? What happened when she sanded the wood edge?	Cutting changed the paper's size and shape. Sanding changed the rough wood edge so it felt smoother.
3	Why were hard building blocks a good choice for Maya's bridge and pencil holder?	Hard blocks keep both objects standing.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Panel 1: A smooth, solid paper square. Panel 2: The paper folded into a paper boat, with a changed shape. Panel 3: Hard blocks reassembled as a book stand, used to hold books. Folding changed the paper's shape. Hard blocks help the book stand hold books.

Accept any accurate observable property and a process that could change it, such as cutting changing size or shape, folding changing shape, or sanding changing texture. For the block object, accept a practical purpose and a physical-property reason that fits the chosen blocks.