



WINTER BREAK LEARNING PACKET

STEM

KINDERGARTEN STUDENT

DEC 22ND – JAN 5TH

DEPARTMENT OF CURRICULUM & INSTRUCTION

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WEEK ONE - DECEMBER 22-26, 2025

STANDARD: K.PS1.1 Plan and conduct an investigation using patterns to classify different kinds of materials by their observable properties (i.e., absorbency, color, texture, hardness, and flexibility), by their uses, and by whether they occur naturally or are manufactured.

ACTIVITY I

- Gather materials found in your home to conduct this investigation (wood – stick, plastic – cup, metal – spoon, cloth – towel, and a piece of paper).
 - Have the student tell you the property of each item, then complete the chart to classify the properties of the different kinds of materials and whether they are natural, or human made.
 - Then have them write the first letter of their answer choice in the box.
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WEEK TWO - DECEMBER 29 - January 2, 2026

STANDARD: K.PS1.2 Conduct investigations to understand that matter can exist in different states (solid and liquid) and has properties that can be observed and tested.

ACTIVITY II

- Match the puzzle pieces by connecting the correct pieces.
- Students should write the correct answer on their worksheet (for more fun cut the pieces and glue back together on your sheet).
- Explain to students how some of these items can change from solids to liquids and back to a solid.
- For a real world demonstration show students how ice can go from a solid to a liquid by letting ice melt. Explain how it can change from state to state through heating and cooling.

WEEK ONE - DECEMBER 22-26, 2025

STANDARD: K.PS1.1 Plan and conduct an investigation to describe and classify different kinds of materials including wood, plastic, metal, cloth, and paper by their observable properties (color, texture, hardness, and flexibility) and whether they are natural, or human made.

ACTIVITY I

Properties of Matter






All things are made of matter, even you! Matter is anything that takes up space. After investigating the items in your home use the items below to classify the properties of the different kinds of materials and whether they are natural, or human made.



Name: _____

Properties of Matter Chart

All things are made of matter, even you! Matter is anything that takes up space. Using the chart below, classify the properties of the different kinds of materials and whether they are natural, or human made. Write the first letter of your answer choice.

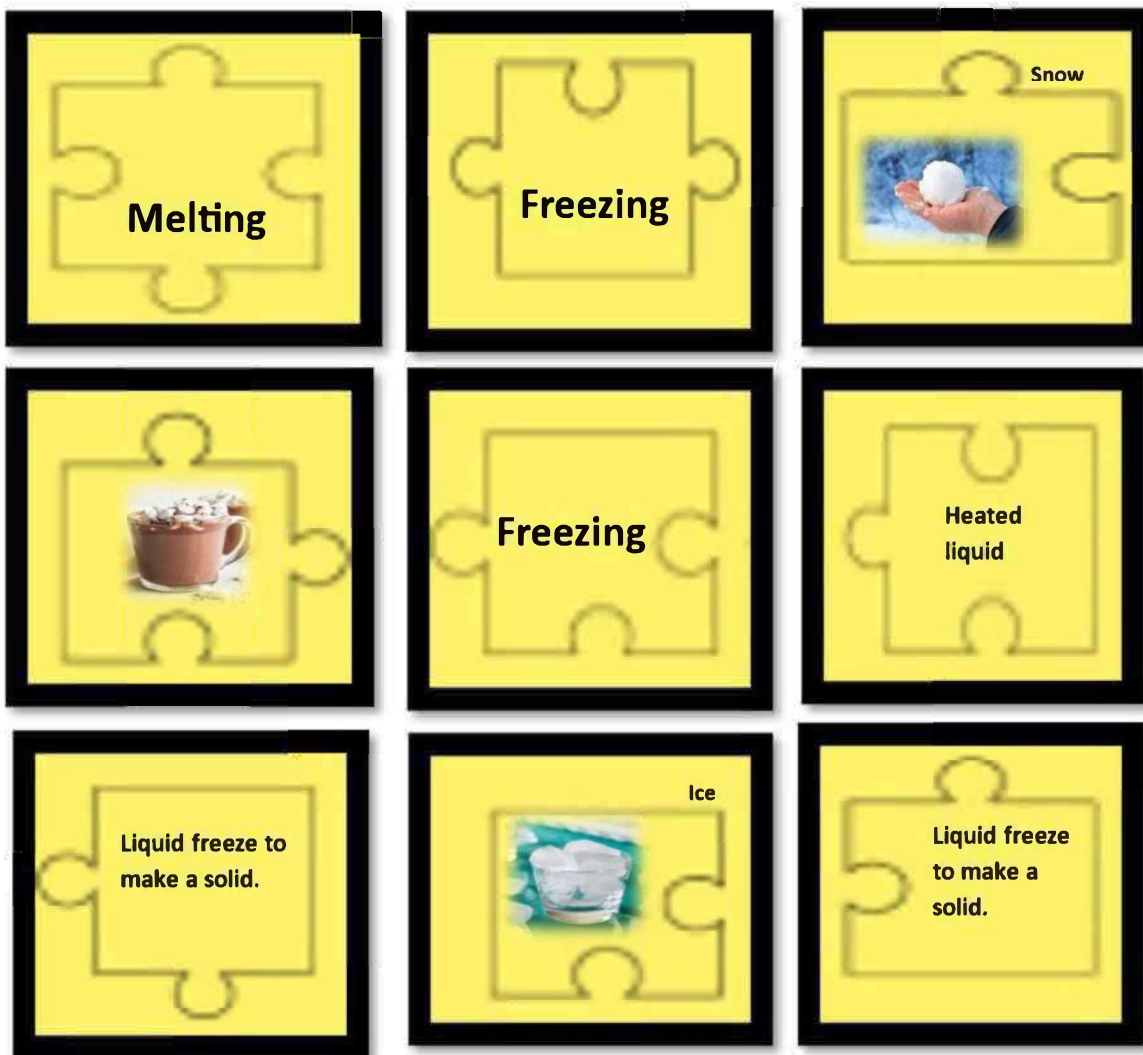
Materials	Color	Texture (Smooth/Rough)	Hardness (Hard/Soft)	Flexibility (Yes/No)	Natural or Human Made
					
					
					
					
					

WEEK TWO - DECEMBER 29 - January 2, 2026

STANDARD: K.PS1.2 Conduct investigations to understand that matter can exist in different states (solid and liquid) and has properties that can be observed and tested.

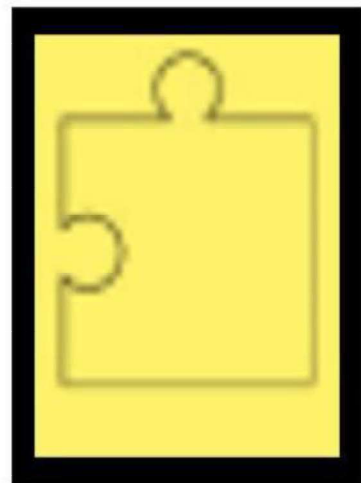
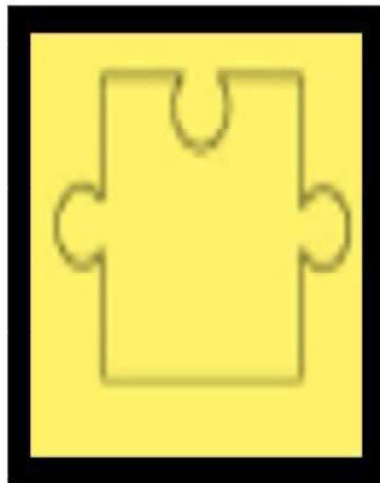
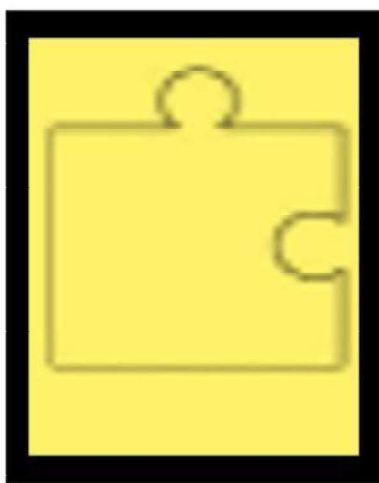
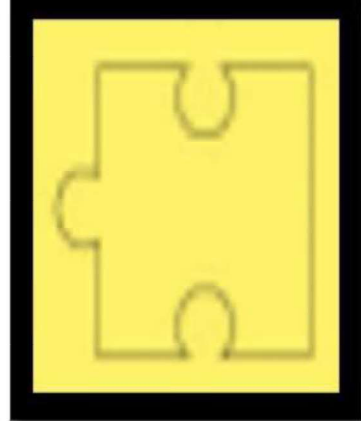
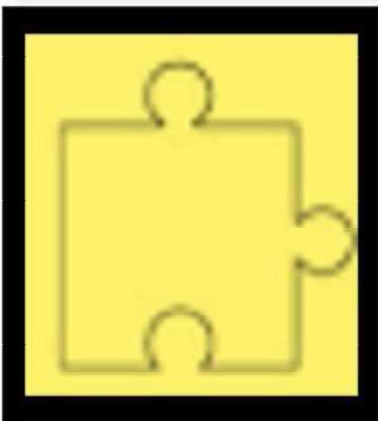
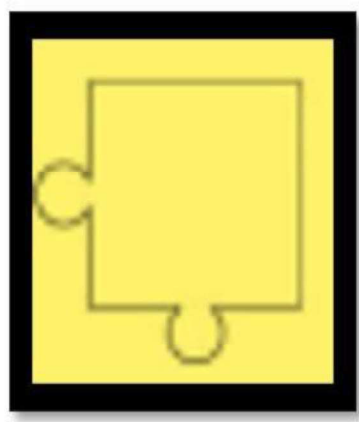
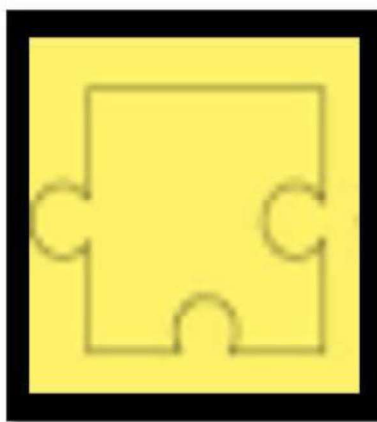
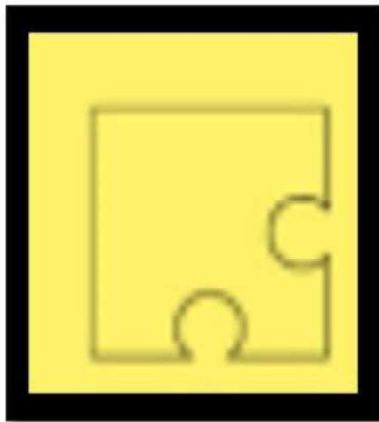
ACTIVITY II

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Name: _____






Solids and Liquids



ANSWER KEY

ACTIVITY I

Properties of Matter Chart

Materials	Color	Texture (Smooth/Rough)	Hardness (Hard/Soft)	Flexibility (Yes/No)	Natural or Human Made
	Brown	Rough	Hard	No	Natural
	Red	Smooth	Hard	Yes	Human Made
	Silver	Smooth	Hard	No	Human Made
	Orange	Smooth	Soft	Yes	Human Made
	White	Smooth	Soft	Yes	Human Made

ACTIVITY II

Solids and Liquids

