

Nova's Science Lab: States of Matter

Learning objective: To identify and describe the three states of matter: solids, liquids, and gases.

Look at the pictures and the words below. Use the word bank to help you answer the questions. Nova the owl is here to help you!

Word bank: solid · liquid · gas · shape · flow · container

1. Nova has a wooden block. It keeps its own shape. Is the block a solid, a liquid, or a gas? (1 mark)

2. Water can pour from a cup. It changes shape to fit the cup. What state of matter is water? (1 mark)

3. Air fills up a balloon. Air is all around us but we cannot see it. What state of matter is air? (1 mark)

4. Which state of matter can flow and take the shape of its container? (1 mark)

5. Complete this sentence: A _____ stays in its own shape and does not flow. (1 mark)

Draw: Draw a line to match the item to its state of matter: A pencil (solid), a glass of juice (liquid), and the steam from a kettle (gas).

Extension challenge: Can you name one more solid, one more liquid, and one more gas found in your kitchen at home?