

Nova's States of Matter Sorting Activity

Learning objective: To identify and sort materials into solids, liquids, and gases based on their properties.

Nova the Owl is sorting items she found in the forest. Look at the list of items below. Decide if each item is a solid, a liquid, or a gas. Write the name of the item in the correct box in the table. Use the word bank to help you spell the words.

Word bank: Solid · Liquid · Gas · Stone · Water · Steam · Ice cube · Air inside a balloon · Rain · Wood

1. 1. Draw a line to match the state of matter to its property:

- **Solid:** Holds its shape.
- **Liquid:** Flows and takes the shape of the container.
- **Gas:** Spreads out to fill all the space. (3 marks)

2. 2. List two items from the word bank that are Solids: (2 marks)

3. 3. List two items from the word bank that are Liquids: (2 marks)

4. 4. List two items from the word bank that are Gases: (2 marks)

Draw: In the box below, draw one solid object, one liquid object, and one gas object that you can see in your classroom.

Extension challenge: Can you find one thing in your bag that is a solid? Can you change its shape? Tell a partner why it is a solid.