

Nova's Science Lab: States of Matter

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

Hello! I am Nova the owl. Today, we are going to be scientists. Look at the objects around your classroom or home. Fill in the boxes below to describe how they behave. Use the word bank to help you spell the tricky words.

Word bank: Solid · Liquid · Gas · Shape · Flow · Container · Particles

1. Choose a solid object. What is its name and does its shape change when you move it? (2 marks)

2. Choose a liquid. Describe how it moves. Does it stay in one place or does it flow? (2 marks)

3. Think of a gas. Can you see it? Where can you find it? (2 marks)

4. Which state of matter is the hardest to hold in your hand? Explain why. (2 marks)

Extension challenge: Can you find an object that can change its state? For example, what happens to an ice cube when it gets warm?