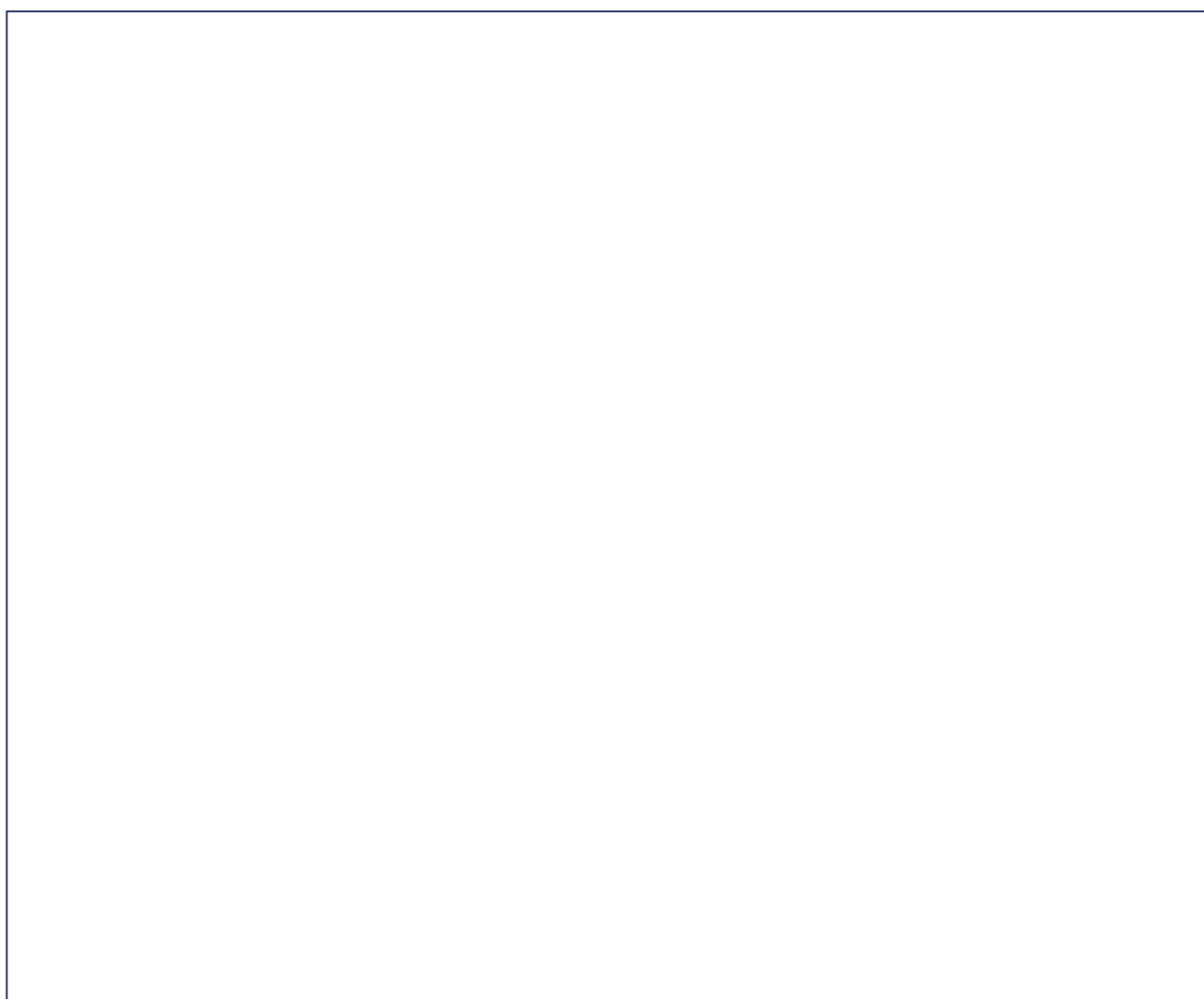


States of Matter with Bea the Bee

Learning objective: To identify and illustrate how particles are arranged in solids, liquids, and gases, and to understand how these states change.

Follow the steps below to create a scientific diagram. Use your best artistic skills to show how the particles behave in different states of matter. Use your word bank to label your drawings clearly.

Draw: Draw three large square frames on your paper. In the first frame, draw a neat, tightly packed grid of small circles (the solid). In the second frame, draw the circles slightly apart, showing them flowing near the bottom of the frame (the liquid). In the third frame, draw the circles scattered far apart throughout the entire frame, with little arrows to show them moving in different directions (the gas). Use a bright yellow colour for Bea the Bee buzzing in the corner of your page!



Label words: Solid · Liquid · Gas · Particles · Fixed position · Flow · Random movement

Steps:

1. Draw a box for a solid. Inside, draw small circles to show how particles are arranged. Are they close together or far apart?
2. Draw a box for a liquid. How do the particles move compared to a solid?
3. Draw a box for a gas. Why do these particles spread out to fill a container?

4. Label your drawings using the terms from the word bank provided.
5. If Bea heats up a solid block of ice, what state of matter does it turn into?