

Solid and liquid states

Task A: Naming the states of matter

Sort the images below into solid state or liquid state



honey



brick



milk



butter



ice



hot metal

solid state	liquid state

Task B: Solid state particles

Use the keyword particle to complete the explanation for properties of substances in the **solid state**.

property	description	explanation
cannot flow	cannot pour from one place to another	<i>Particles are in a fixed position so cannot move over over one another.</i>
cannot compress	cannot take up less space	
fixed shape	can only change shape if a force is applied	

A Venn diagram can be used to help us organise statements about solid state and liquid state properties.
Sort the eight statements about the properties of liquids and solids using the Venn diagram. If it is not a property of a solid or liquid then place it outside the Venn diagram.

- can compress
- cannot compress
- cannot flow
- can flow
- particles will fill the shape of container
- can only change shape if a force is applied
- particles will not fill the shape of container
- can not change shape if a force is applied

