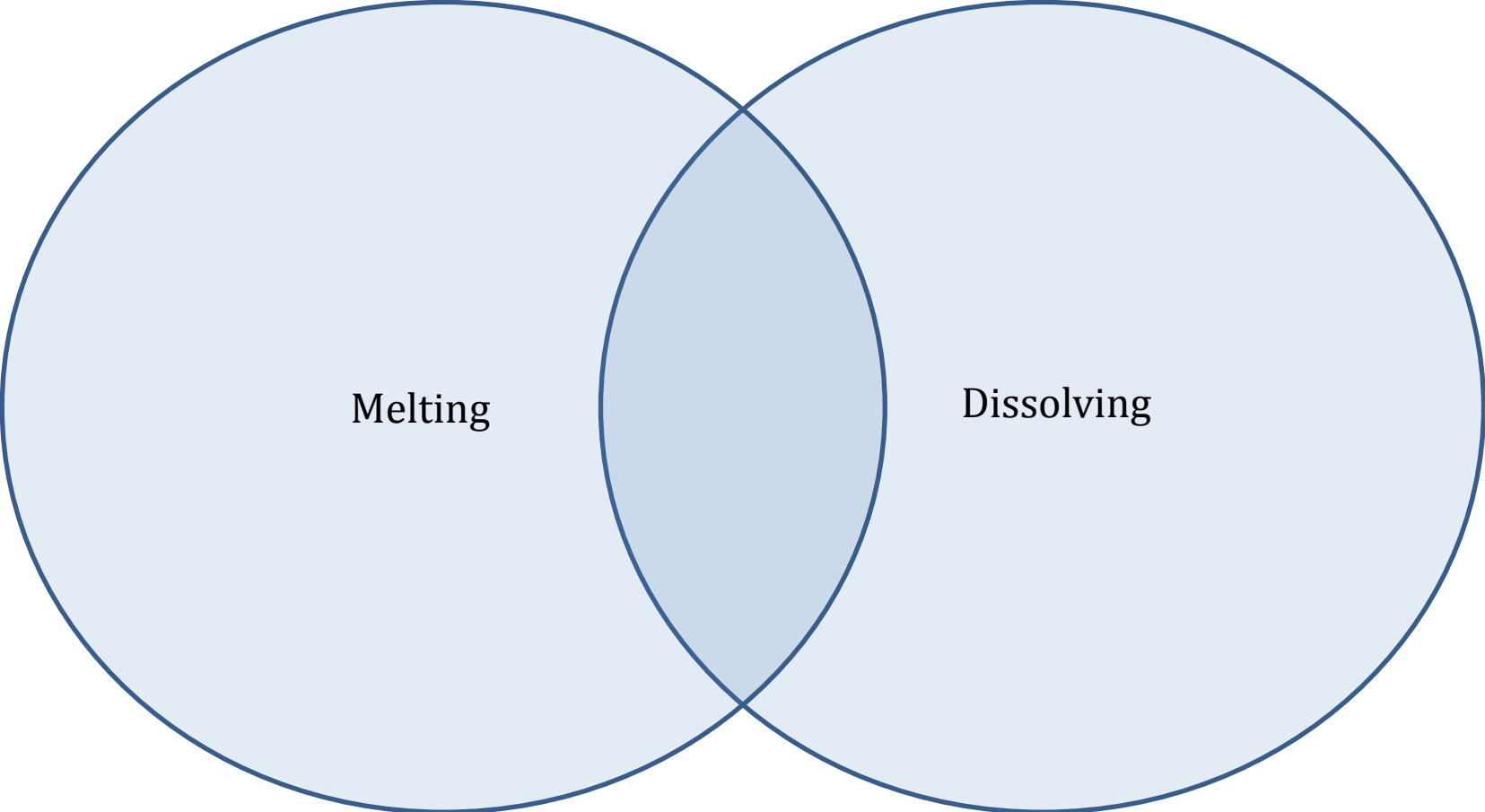


<b>Topic</b>	Melting and dissolving	<b>Level</b>	Key Stage 3 (or any course for students aged 11-14)
<b>Outcomes</b>	1. To compare and contrast the processes of melting and dissolving		

*Instructions – students should work in groups of two/three to discuss each of the statements about dissolving and melting and then place the statement into their Venn diagram. No photocopying is required for this activity as students can draw their own Venn diagrams. It's important to stress that a solution is not a liquid, it's still a solid and a liquid and that dissolving is a physical change!*



Melting

Dissolving

# Melting, dissolving or both? Put the statements below into the correct place in the Venn diagram

- I. Requires two substances
- II. Forms a new substance
- III. Mass is conserved
- IV. Forms a liquid
- V. Involves a reaction
- VI. Involves a solid breaking down
- VII. An endothermic change takes place
- VIII. Temperature increases
- IX.  $\text{NaCl(aq)}$