

Heating and cooling: reversible or not?

materials

What you need: ice cubes · plain chocolate squares · small clear dishes or yoghurt pots · shallow tray of warm water · cool saucers or plates · white bread slice · toaster · heatproof plate · paper towels or cloths for spills

Words to use

Reversible change · Irreversible change · Melting

Predictions before we start – ice and chocolate go in the warm water, the bread goes in the toaster

Material	Will it melt or change?	Can we get the solid back?
Ice		
Chocolate		
Bread (toast)		

Our group's focus: how we will judge 'melted enough', and which reverse check we trust

What we saw

Material	What happened (first / clear or brown / soft or runny / firm)
Ice	
Chocolate	
Bread (toast)	

Reversible or irreversible? Give your reason for each (what we saw, and what we infer)