Lesson 10

Heating and cooling: reversible or not?

Materials

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, the beaten egg is poured into very hot water

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

Our group's focus: how we will judge 'melted enough', and which check we trust to show a change can be undone

What we saw

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

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

The egg problem: heat made the chocolate runny and the egg solid. Cooling brought the chocolate back. Why not the egg?