

Teacher Card: Chemical Change Demonstration Sequence

A teacher demonstration card for the Lesson 7 'Observing chemical change' assessment task. Lists the five-change demonstration sequence in order with what to highlight, the correct classification, and a per-step safety note — so the teacher can run the demo smoothly while students complete their results grid.

Run these five changes in order. Students work **silently**, completing their results grid as you go. This task aligns to the *Observing chemical change* assessment, so give thinking time after each demonstration.

#	Change & what to highlight	Answer (with reason)	Safety
1	Melting butter on a warm plate — point out the solid turning to clear liquid.	Reversible — same substance; cooling makes it solid again.	Warm plate only; use a heat mat.
2	Toasting bread — note the colour change and the smell.	Irreversible — new substance (you can't un-toast it).	Hot toaster; teacher only.
3	Popping popcorn — the kernel bursts as water inside turns to steam.	Irreversible — the kernel can't go back.	Hot popper and steam; keep students back.
4	Ice melt then refreeze — melt a cube, then return it to the freezer.	Reversible — still H ₂ O the whole time.	Low risk.
5	Burning paper (small, in a tray) — ash, smoke and heat.	Irreversible — new substances: ash, smoke, gas.	Open flame; tray, fire blanket nearby, ventilate.

After all five, briefly review the correct answers so students get immediate feedback on their grid.