

Alka-Seltzer pop

Concept—Releasing chemical energy



CURRICULUM LINK:

Science Curriculum—Energy and Forces strand

Experiment

You will need:

- Film canister
- Alka-Seltzer tablet
- Blue tack

1. Using blue tack, stick the Alka-Seltzer to the underside of the lid of the film canister.
2. Half fill the canister with water.
3. Close the lid.
4. Give the canister a good shake and place upside down (lid downwards) on the ground.
5. Stand back!

The water reacts with the tablet causing it to fizz (releases the chemical energy) and there is a build-up of gas in the film container. Gases take up lots of space so the canister is too small to contain the gas—pressure builds up and the lid pops.