

DO ~~IT~~ TRY THIS AT HOME

Featuring: **Marvin and Milo**

issue #14

What you need: • A plastic bottle • Some hot water

I can crush this botte with no hands!

Very carefully pour a little hot water into the bottle, or ask a grown-up to help.

Shake the bottle...

...then pour out the water...

... and put the lid on.

Put the bottle down and wait a few minutes.

The hot water raises the temperature - the pressure increases and the molecules spread out

PIF PAF POF

The hot water raises the temperature - the pressure increases (some leave the bottle). When the air cools, the pressure is lower than before because there are fewer molecules bouncing around. The air pushing on the outside of the bottle has more pressure, which crushes the bottle.

Vic Le Billon