

Fizz Rocket

Start things off with a bang with this high-flying experiment.



What you need:

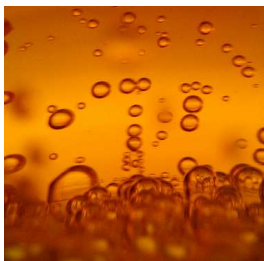
- empty film canister
- fizzy tablet (like Alka-Seltzer effervescent vitamin tablet)
- water

What to do:

1. Put ~1 cm of water in the film canister.
2. Drop $\frac{1}{4}$ of the fizzy tablet in to the canister.
3. Quickly put on the lid, making sure the seal is tight.
4. Turn the canister upside-down and place it on a flat surface.
5. Stand back!



What is happening?



Fizzy tablets give off bubbles of carbon dioxide when they are added to water. By putting the lid on the canister, we contain this gas and cause the pressure inside the canister to increase. Once the pressure is high enough, the lid is pushed off and the canister is forced up into the air.

Tips:

The best film canisters are the ones with tight-fitting lids. Make sure no one leans over your rocket once you've got it ready. To minimise mess, place your rocket in a small tub to catch the splashes.