



Presented by

BASF
We create chemistry

WHAT YOU WILL NEED:

- 35mm film canisters
- Alka Seltzer tablets
- Water
- Pippette or water dropper
- Safety goggles and adult supervision



FLYING FILM CANISTERS

Overview and objective:

Students will learn a simple demonstration of pressure in a sealed environment.

Procedure:

1. Use the pipette to put a small amount of water in the film canister (we chose to fill it about 1/3 full)
2. Break a piece of Alka Seltzer in quarters.
3. Put one of your quartered pieces on top of the lid of the canister.
4. Flip the piece of Alka Seltzer into the canister and tightly seal the lid.
5. Flip the canister on it's lid and stand back.
6. Quickly, you'll see it burst.

How it works:

The water desolves the Alka Seltzer in the sealed canister, producing carbon dioxide. The carbon dioxide builds up inside the canister, creating pressure. As the pressure builds, it forces the canister off the lid off and the canister bursts up.

Experiment further by varying the amount of water and Alka Selzer you use. Track the impact on the canister burst and let us know.

Does having a dry lid/canister seal have an impact?

Visit us on www.Facebook.com/abc11scienceclub and share the video or picture of your FLYING FILM CANISTERS.

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