FILM CANISTER ROCKET

YOU'LL NEED



Film canister or effervescent vitamin tablet container
Effervescent vitamin tablet
Water
An outdoor space with a hard surface

INSTRUCTIONS

Fill the film canister about a third full with water.

Carefully break an effervescent vitamin tablet in half.

Drop the half tablet into the canister and quickly replace the lid.

Holding the lid in place put the canister lid down on a hard surface outdoors.

Stand well back!

WHY DOES THE FILM CANISTER FLY?

When the effervescent vitamin tablet reacts with water, it releases carbon dioxide (a gas). The carbon dioxide builds up inside the canister, increasing the air pressure. When the canister can no longer withstand the extra pressure it pops off the lid and shoots up into the air.

EXTENSION TASK

Experiment with other types of rocket fuel.

- Baking soda and vinegar
- Different amounts of effervescent tablet and water
- Warm and cold water

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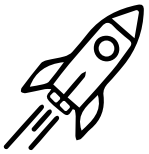
ROCKET INVESTIGATION

Test different types of rocket fuel in a film canister to find out which makes the film canister fly the highest.



ROCKET FUEL TO TEST

- Baking soda and vinegar ☐
- Effervescent vitamin tablet in warm water ☐
- Effervescent vitamin tablet in room temp water ☐
- Effervescent vitamin tablet in cold water ☐

PREDICTIONS

I predict that the rocket will fly the highest when ..... is used as fuel.

RESULTS

HIGHEST







LOWEST

OTHER OBSERVATIONS

My prediction was correct

YES ☐

NO ☐



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