



Particle Nature of Matter Activity for Kids

Pop Rockets DIY



Duration: **15-30 min**



Difficulty: **Easy**



Cost: **\$0 to \$5**

Launch fizzy tablet rockets by using particles of matter!

Material List

- 3** Film canisters or similar plastic containers with snap on lids
- 3** Fizzy tablets such as Alka-Seltzer®
- 1** Cup of water
- 1** Roll of paper towels for cleanup

Instructions

- 1** Fill the film canisters about 1/3 full with water.
- 2** Quickly, drop 1 fizzy tablet into each canister, snap on the lid, and flip it over.
- 3** Stand back and wait for it to pop!

How It Works

When the fizzy tablet touches the water a chemical reaction starts, which releases carbon dioxide gas. The gas is made of lots of particles of matter, which spread out inside the sealed container. Finally, the container pops up off of its lid and shoots into the air due to the pressure that the particles built up inside.