



## Make and Fire Your Own Cannon

### You will need:

An empty 35mm film container (or disposable salt or pepper shaker, or M&M's Minis® container [make sure the lid is not hinged to the container])

1-3 Alka-Seltzer® tablets

Warm water

Safety glasses (swimming goggles or sunglasses will work)

**Note! Adult supervision required.**

Test your cannon outdoors or somewhere you don't mind getting a bit wet.

### Instructions:

1. Fill the film container 1/3 full with warm water (1/2 full for the salt shaker, and the M&M's Minis® container). Add 1/3 Alka-Seltzer® tablet (1 whole tablet for the salt shaker, and the M&M's Minis® container) and quickly pop the lid back on the film container.
2. Place the container (top up) on the ground and take five large steps back. Wait.
3. If it takes your cannon more than twenty seconds to fire, the adult should investigate.
4. Try the experiment again with different water temperatures or a different amount of Alka-Seltzer®. Does the speed or height of the reaction change? What about the "popping" noise?

