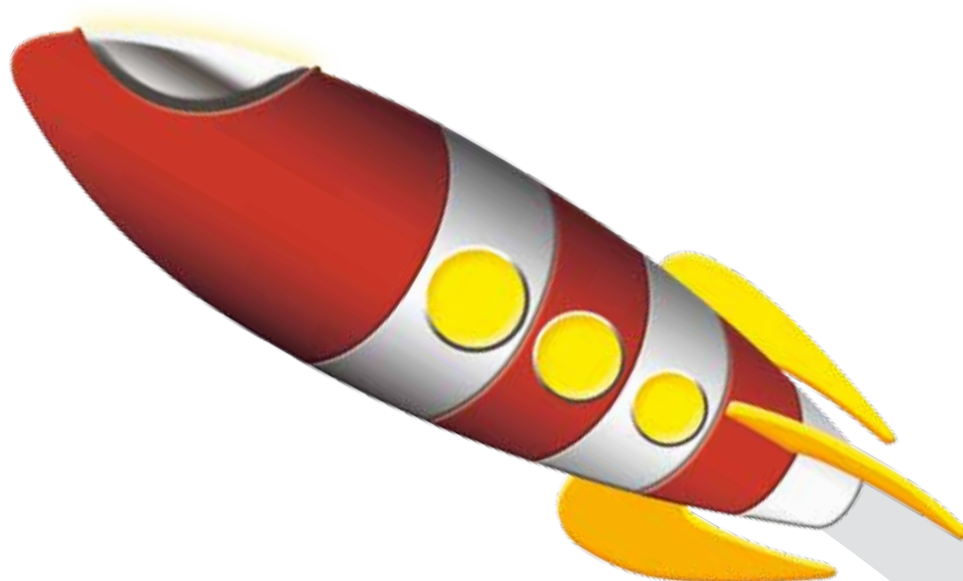




Name: \_\_\_\_\_

Class: \_\_\_\_\_



## ROCKET FUEL

In this experiment you will simulate rocket fuel by mixing vinegar and baking soda.

### You will need:

- An empty, clean, glass bottle
- A cork
- 1 tablespoon of vinegar
- 1 teaspoon of baking soda

### What to do:

1. Place the bottle upright a safe distance from the other students (at least three metres).
2. Pour the vinegar into the empty bottle.
3. Add the baking soda.
4. Swirl the mixture around.
5. Place the cork gently in the top of the bottle.
6. Stand back and wait to see your cork shoot up into the sky.
7. Wait a few minutes before checking the mixture if the cork doesn't fly up.

The vinegar and baking soda react to form carbon dioxide gas. This gas moved to escape from the bottle, propelling the cork into the air.