



TEA BAGS ROCKETS

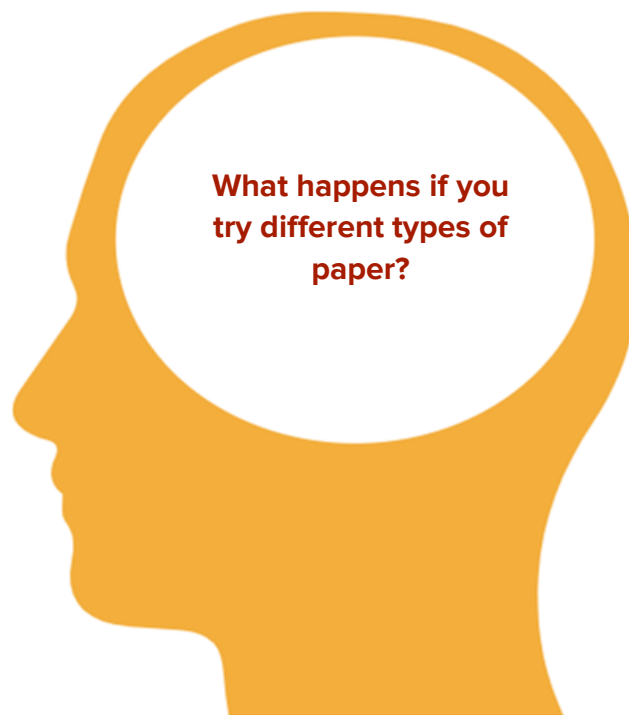
You will need:

- 1 tea bag
- Scissors
- Matches
- Non- flammable plate/surface



Procedure:

- Step 1: Cut off the top of the tea bag.
- Step 2: Empty the contents of the tea bag
- Step 3: Unfold and open up the bag so that it forms a cylinder and place it upright on the plate.
- Step 4: With an adult supervision light the top of the cylinder and see what happens!



What happens if you try different types of paper?

Science explained:

The burning bag gives off heat and generates less dense air inside and above it. This triggers a convection current of rising hot air above the fire. The volume of space created at the bottom of the burning cylinder (by the hot rising air) is filled by the more dense (and cooler) air outside of the burning cylinder by moving in from under the heated air.

As the bag burns, the ash that remains is so lightweight so that hot air is strong enough to lift it upward. When the ash rises, it cools and then falls back.