

Tea bag rocket

Warning!

Please ask an adult to help
with lighting the tea bag!



You will need:

1. A tea bag
2. Matches (with an adult!)
3. Non-flammable plate

The science behind:

Hot air rises! You have just created a convection current of air moving inwards, towards the burning tea bag, and rising up as a hot air column. The rocket could only rise once the tea bag became lighter.

Heating air adds more energy to the air molecules, so they move around very quickly and separate from each other more than in the cold, low energy air.

Simply a convection current is the transfer of heat energy by the movement or flow of a substance from one position to another.

1. Cut off the top of the tea bag
2. Pour the tea leaves onto the plate and flatten them out
3. Open up the tea bag so that it forms a cylinder.
4. Place the cylinder on top of the 'tea leaf launch pad', 'the non-flammable plate' standing upright, like a column.
5. With an adult light the top of the cylinder.
6. Your tea bag rocket will fly up!