



Egg in a Bottle



Things you will need:

- Glass bottle (must be glass!) A traditional milk bottle is perfect
- Hard boiled egg (shell removed)
- Matches

Instructions:

Try at first to fit the egg into the bottle and see that it cannot be done. Then carefully light 3 matches and drop them into the bottle. Wait a second or two and then pop the egg on top of the bottle at the opening. When the matches go out, the egg will be pulled into the bottle but don't let the matches go out before you put the egg on.

The science behind it:

Before placing the matches in the bottle the air pressure was the same inside the bottle as outside it. But when we put the matches in this made the air in the bottle heat up and expand. Then when the fire went out the air inside the bottle started to cool down and contract making the air pressure inside the bottle less than the air pressure outside the bottle. The higher air pressure then pushed the egg into the bottle.