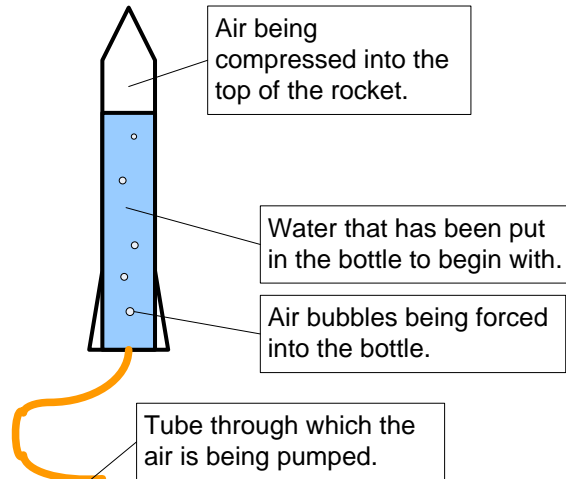


Instructions Example

What we Used

Car pump, tube, bottle, water, bung, axel stand.

Diagram



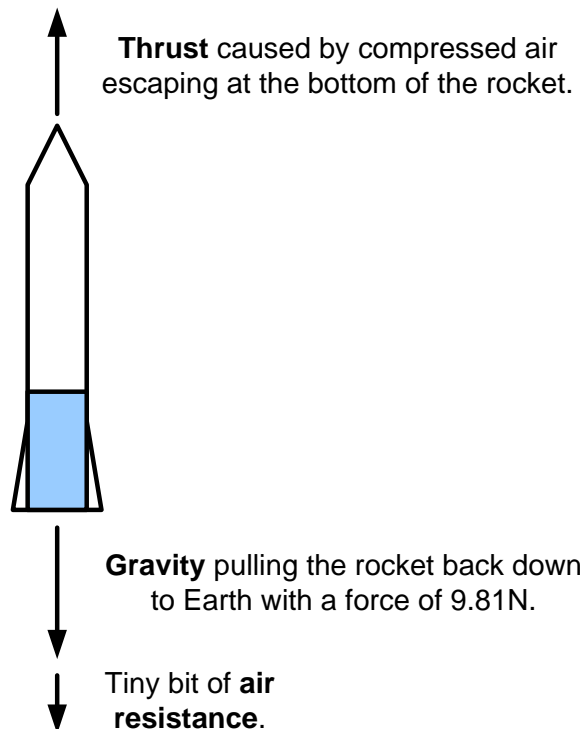
Method

1. Set up the apparatus by filling a bottle with water.
2. Push a rubber bung connected with a hollow glass rod in it into the bottle top.
3. Invert the rocket so that it is facing upwards.
4. Start to pump air into the rocket by using the car pump and the tube.
5. Stand clear but continue to pump air into the rocket.
6. Observe what happens.

Results

The rocket took off, spraying us with water.

Conclusion



We found out that the force created by pumping air into the rocket was enough to overcome both the air resistance and gravity and so the rocket was able to take off.

Notes of further investigations

We could investigate whether the height to which the rocket climbed was affected by the number of pumps on the foot pump or the amount of water poured into the rocket in the first place.