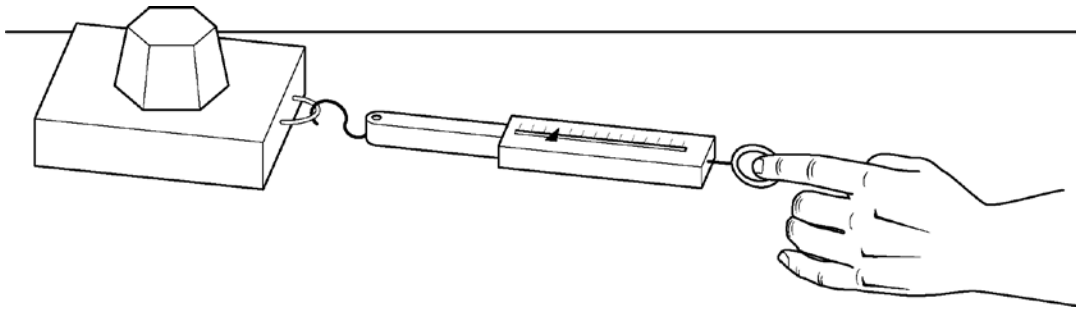


Forces

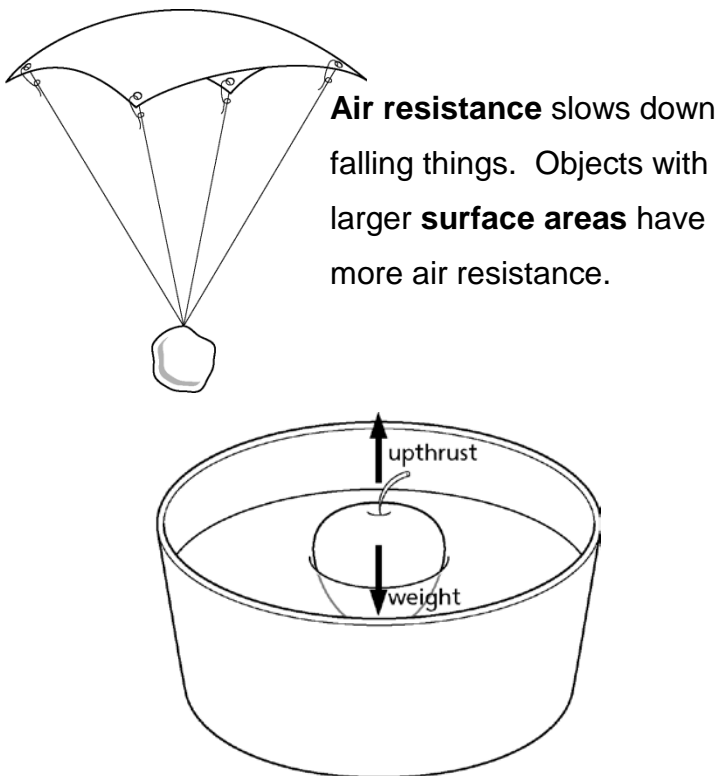
Forces are pushes or pulls. You can measure forces using a **forcemeter**.

The units for force are **newtons (N)**.



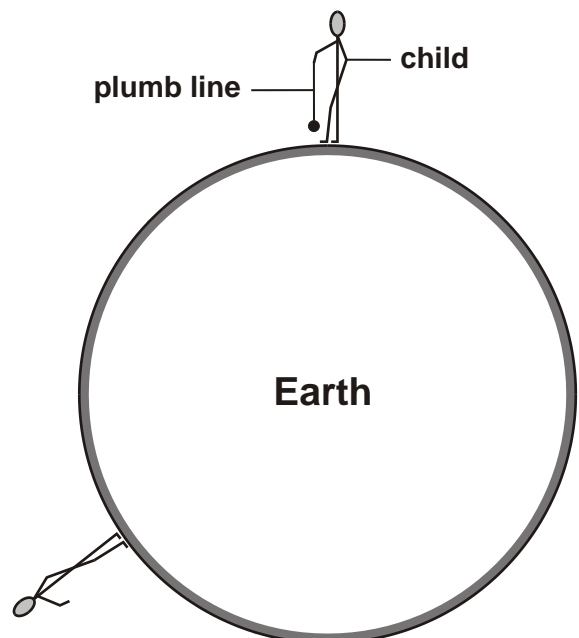
Friction is a force that slows down moving objects or stops them moving.

Friction acts in the opposite direction to movement.



Air resistance slows down falling things. Objects with larger **surface areas** have more air resistance.

Objects **appear to weigh less** in water because of **upthrust**.



Gravity pulls objects towards the centre of the Earth.

Weight is the force due to gravity and is measured in **newtons**.

Science Investigations

A **variable** is something which can change the results of an investigation.

We only **change one variable** when carrying out a **fair test**. If we change more than one variable when carrying out a fair test, we do not know which variable had an effect.

We **repeat** a test to see if the results are similar. Similar results are more reliable.

A **conclusion** uses the results of an investigation to describe what was found out.