## What are forces?

A force can be a push or a pull.
Forces can be measured using a newtonmeter. Forces are measured in newtons ( N ).


Contact forces occur when objects are touching, for example:

- friction
- drag forces (air resistance and water resistance
- support forces (e.g., reaction forces)

Non-contact forces work at a distance, for example:

- gravity • magnetic force - electrostatic force


Balanced and unbalanced forces
When the forces acting on an object are the same size, but act in opposite directions, we say that they are balanced.

is in equilibrium

If the forces are not the same size, and do not cancel each other out, we say they are unbalanced.
The larger the difference between unbalanced
 forces, the quicker the object will change speed.

Key terms
Make sure you can write definitions for these key terms.


