**Forces**

Force: that acts on an object

Forces cause:

1. Objects at rest to
2. Moving objects to accelerate by changing

Units of Force:

(N)

1(N)= force that causes a 1 kg to at a rate of 1m/s2

Named after -

Representing Force:

Arrows indicate and of force

Longer arrows =

Draw the arrows that are on the screen:

Combining forces

Forces in the direction together

Draw the example below:

Forces in the direction

Draw the example below:

Equal and forces

Draw the example below:

Net (resultant) Force: Overall force acting on an object after

Draw the example below:

Balanced Force:

Combined forces produce a net force of

Object move

Draw the example below

Unbalanced force:

Produce net force

Cause objects to

Draw the example below:

Friction

Force that motion

Draw the example below:

Acts at where objects are in contact

Friction produces

Friction is higher on