

| Key word | Definition |
|------------------------------|--|
| acceleration | How quickly speed increases or decreases. |
| air resistance | The force on an object moving through the air that causes it to slow down (also known as drag). |
| average speed | The overall distance travelled divided by overall time for a journey. |
| balanced (forces) | Forces acting on an object that are the same size but act in opposite directions. |
| contact force | Force that acts by direct contact, e.g., friction. |
| distance–time graph | A graph that shows how far an object moves each second. |
| driving force | The force that is pushing or pulling something. |
| equilibrium | State of an object when all forces are balanced. |
| field | The region where other objects feel a gravitational force. |
| friction | Force opposing motion which is caused by the interaction of surfaces moving over one another. It is called 'drag' if one is a fluid. |
| gravitational field strength | The force from gravity on 1 kg (N/kg). |
| gravity/gravitational force | A non-contact force that acts between two masses. |
| interaction pair | When two objects interact there is a force on each one that is the same size but in opposing directions. |
| kilogram | A unit of mass, symbol kg. |
| mass | The amount of stuff in an object (kg). |
| metres per second | A unit of speed. |
| newton | Unit for measuring forces (N). |
| newtonmeter | A piece of equipment used to measure weight in newtons. |
| non-contact force | Force that acts without direct contact, e.g., magnetism. |
| pull | A type of force. |

| | |
|---------------------|---|
| push | A type of force. |
| relative motion | Different observers judge speeds differently if they are in motion too, so an object's speed is relative to the observer's speed. |
| resistive force | Any force that acts to slow down a moving object. |
| resultant force | Single force that can replace all the forces acting on an object and have the same effect. |
| speed | How much distance is covered in a given time. |
| unbalanced (forces) | Opposing forces on an object that are unequal. |
| weight | The force of gravity due to the Earth (or other planet or moon) on an object (N). |