

What you have learnt

- Motion is a change of position; it can be described in terms of the distance moved ~~by an object~~ or the displacement.
- The motion of an object could be uniform or non-uniform depending on whether its velocity is constant or changing.
- The speed of an object is the distance covered per unit time, and velocity is the displacement per unit time.
- The acceleration of an object is the change in velocity per unit time.
- Uniform and ~~non~~ non-uniform motions of objects can be shown through graphs.

- The motion of an object moving at uniform acceleration can be described with the help of the following equations, namely

$$v = u + at$$

$$s = ut + \frac{1}{2} at^2$$

$$2as = v^2 - u^2$$