

a) The SI unit of force is Newton N
Definition: Newton is the force that produces an acceleration of 1 m/s^2 in a body of mass 1 kg . $\rightarrow 1 \text{ N} = 1 \text{ kg m/s}^2$

b) Newton's third law states that for every action, there is an equal and opposite reaction

c) Speed is the rate of change of distance (a scalar quantity)

Velocity is the rate of ~~displacement~~ displacement.