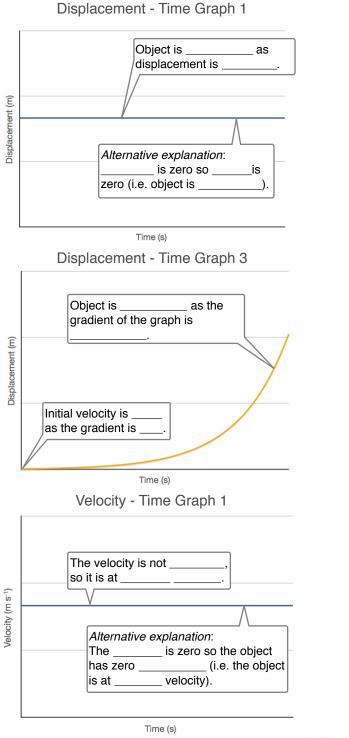
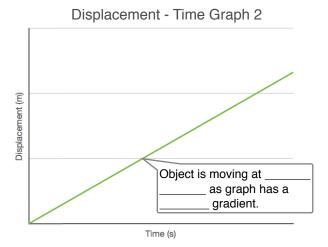
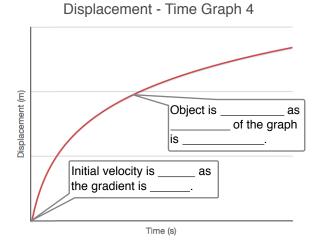
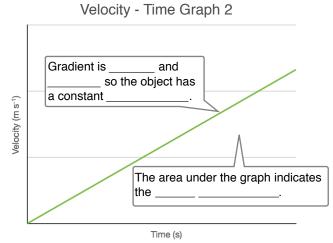
Motion, force, energy, momentum, materials

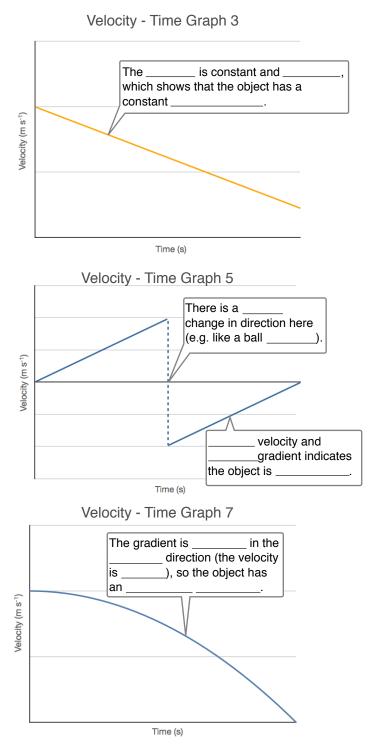


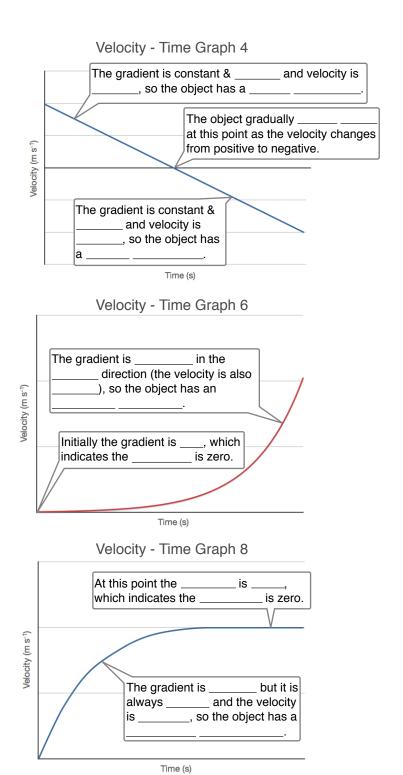






Motion, force, energy, momentum, materials

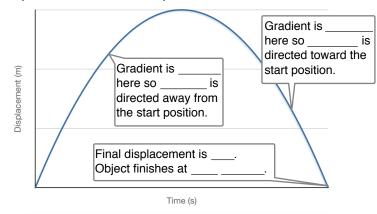




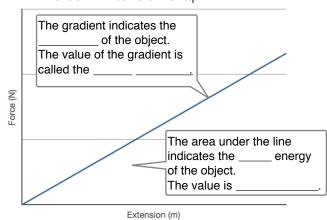
Motion, force, energy, momentum, materials

Velocity - Time Graph for Deriving SUVAT The mean velocity is The gradient value The area under the triangular section is is The area under the rectangular section is is. Time (s)

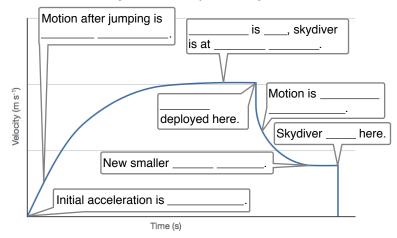
Displacement - Time Graph for Circular Motion



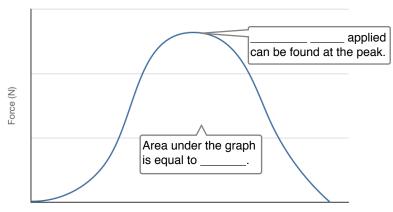
Force - Extension Graph

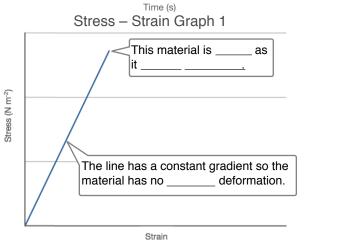


Velocity - Time Graph for Skydiver

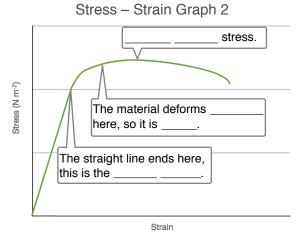


Force - Time Graph

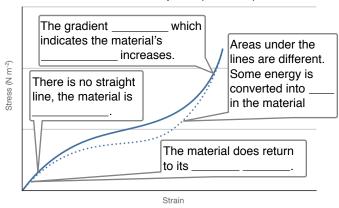




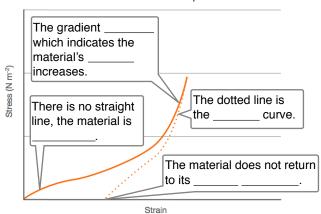
Motion, force, energy, momentum, materials



Stress – Strain Graph 4 (Rubber)



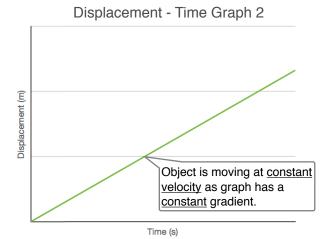
Stress - Strain Graph 3



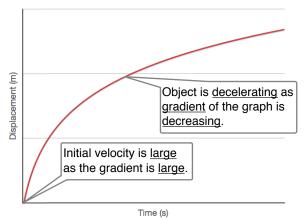
Motion, force, energy, momentum, materials

Object is stationary as displacement is constant. Displacement (m) Alternative explanation: Gradient is zero so velocity is zero (i.e. object is stationary). Displacement - Time Graph 3 Object is accelerating as the gradient of the graph is increasing. Initial velocity is zero as the gradient is zero. Time (s) Velocity - Time Graph 1 The velocity is not changing, so it is at constant velocity. Velocity (m s⁻¹) Alternative explanation: The gradient is zero so the object has zero acceleration (i.e. the object is at constant velocity). Time (s)

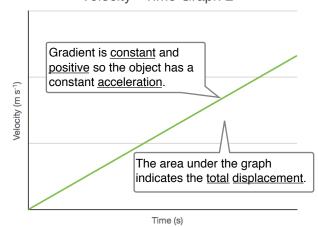
Displacement - Time Graph 1



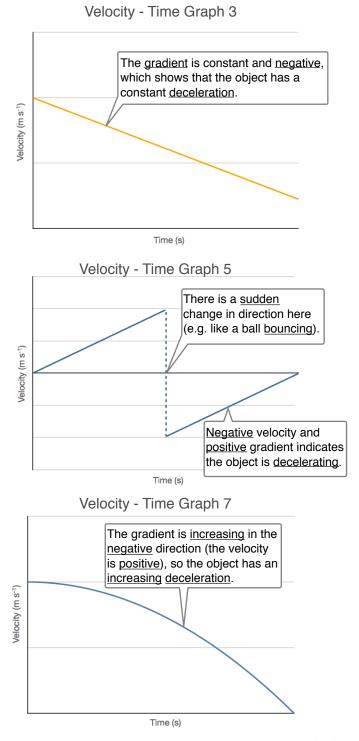




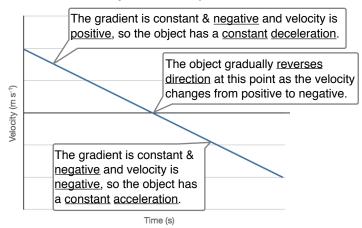
Velocity - Time Graph 2



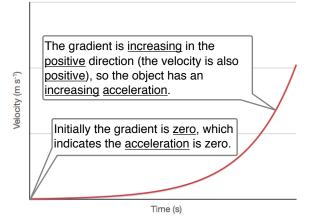
Motion, force, energy, momentum, materials



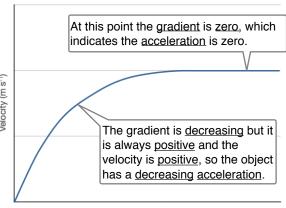
Velocity - Time Graph 4



Velocity - Time Graph 6

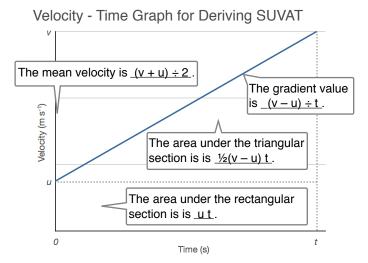


Velocity - Time Graph 8

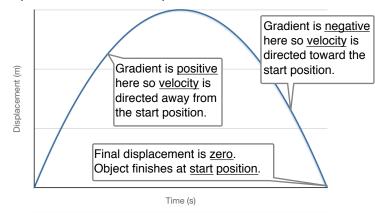


Time (s)

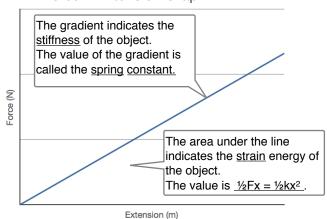
Motion, force, energy, momentum, materials



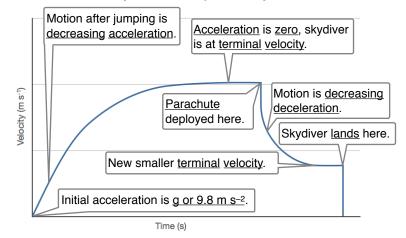
Displacement - Time Graph for Circular Motion



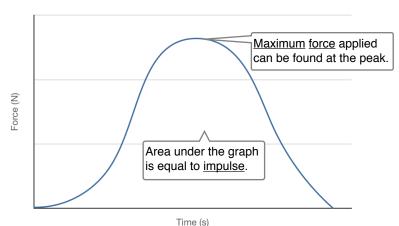
Force - Extension Graph



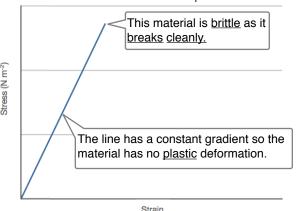
Velocity - Time Graph for Skydiver



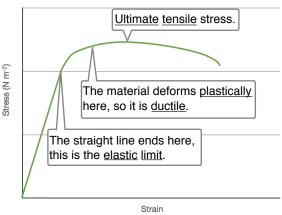
Force - Time Graph



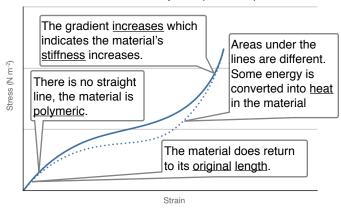
Stress - Strain Graph 1



Stress - Strain Graph 2



Stress – Strain Graph 4 (Rubber)



Stress - Strain Graph 3

