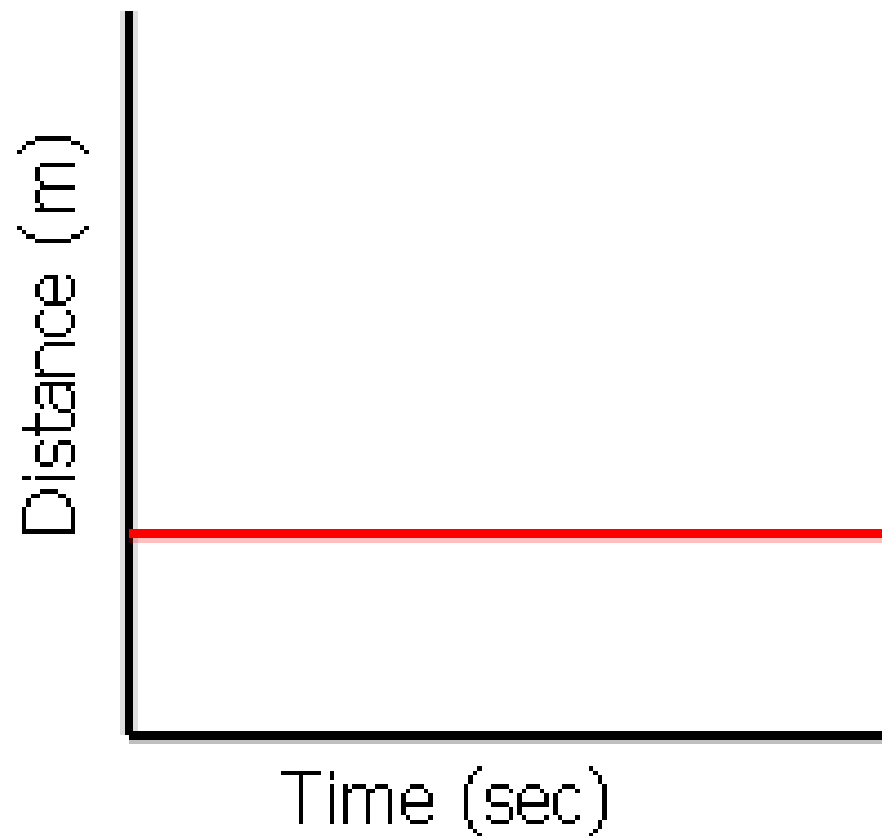
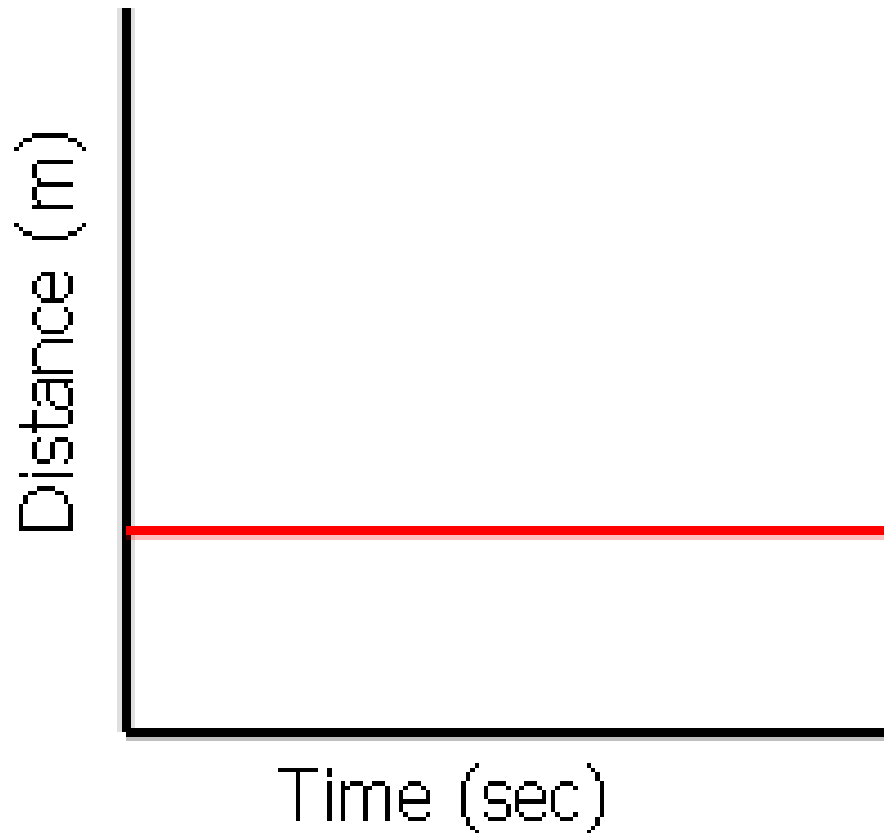


Motion Graphs

Interpret The Graph Below:



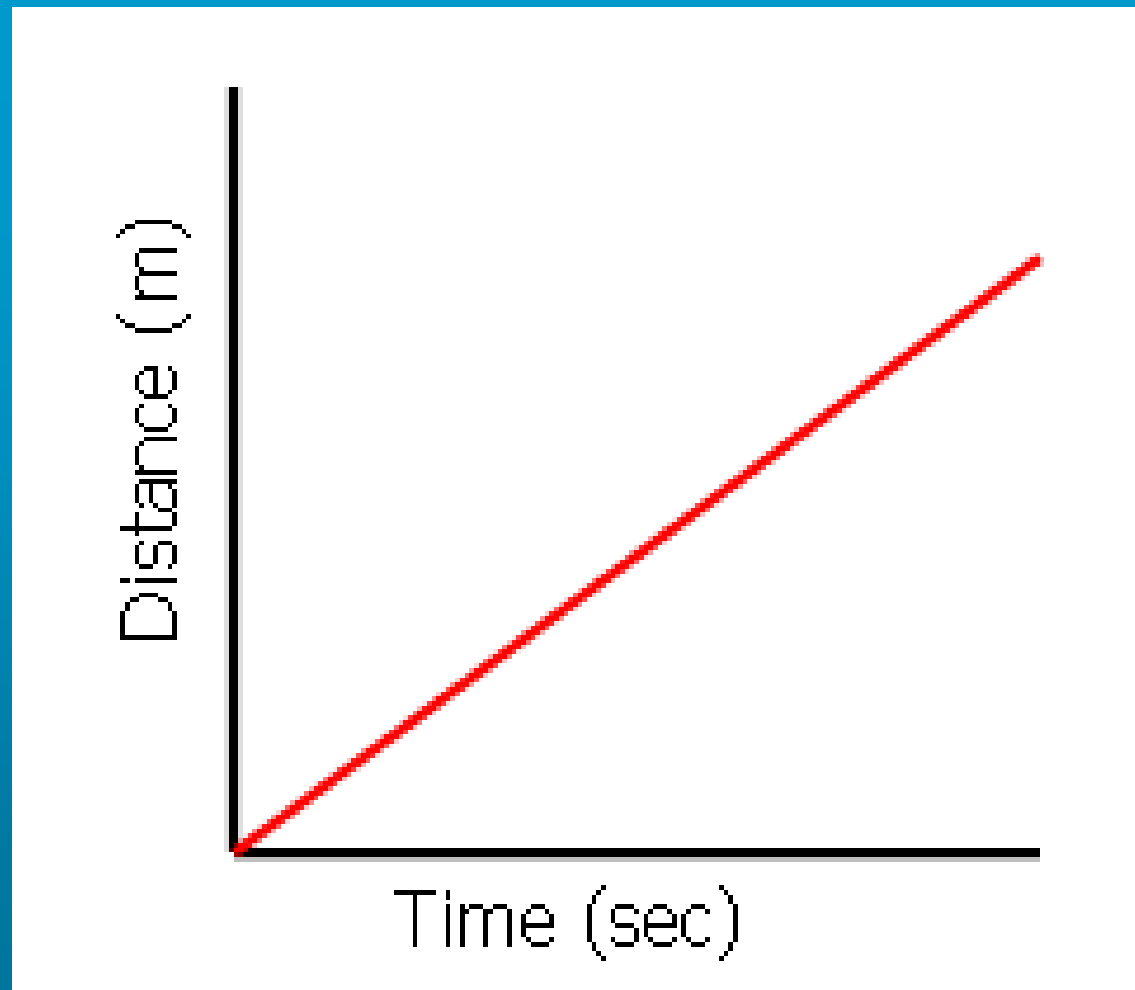
Interpret The Graph Below:



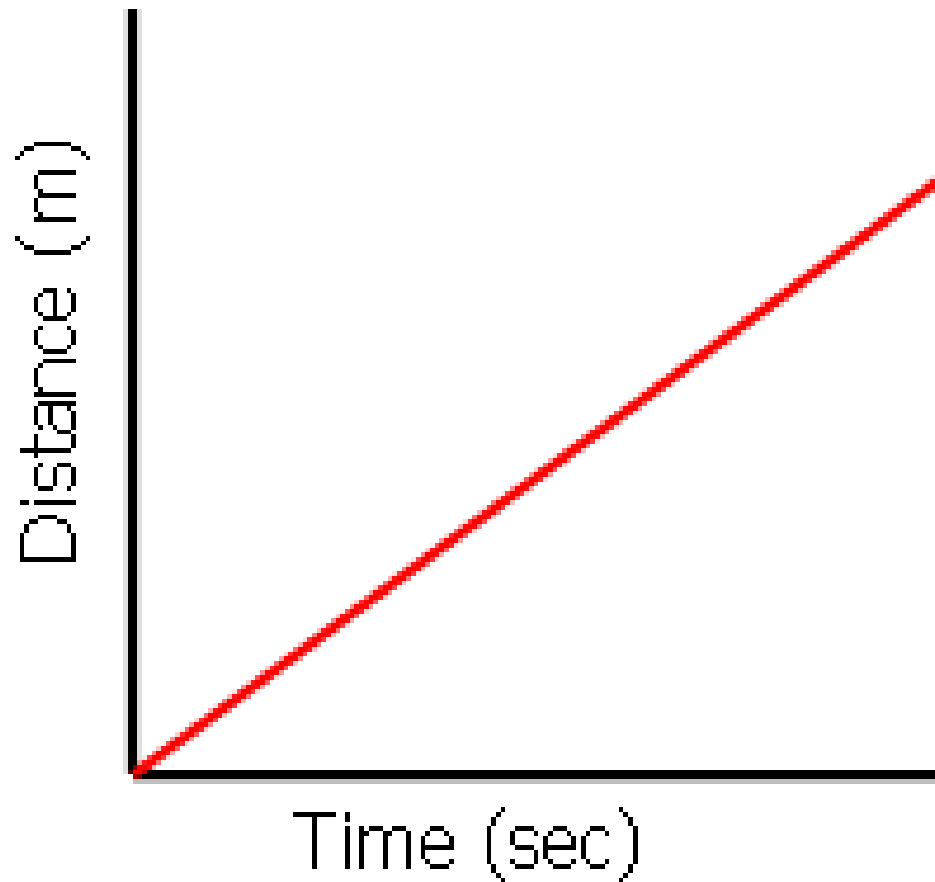
The graph shows an object which is not moving (at rest).

The distance stays the same as time goes by because it is not moving.

Interpret The Graph Below:



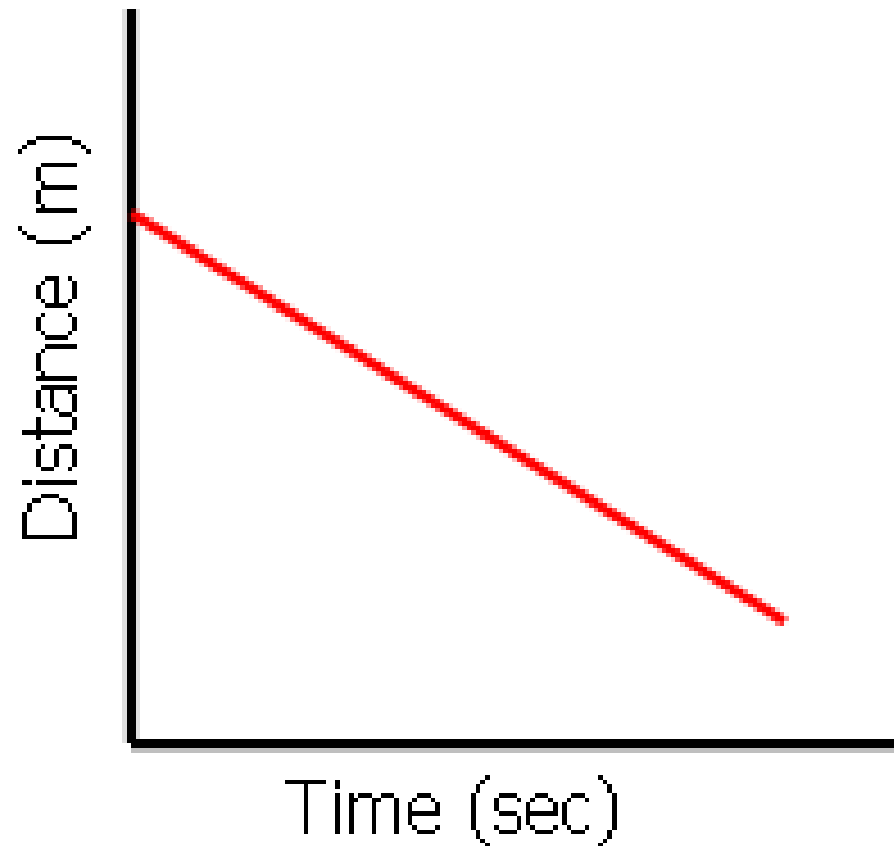
Interpret The Graph Below:



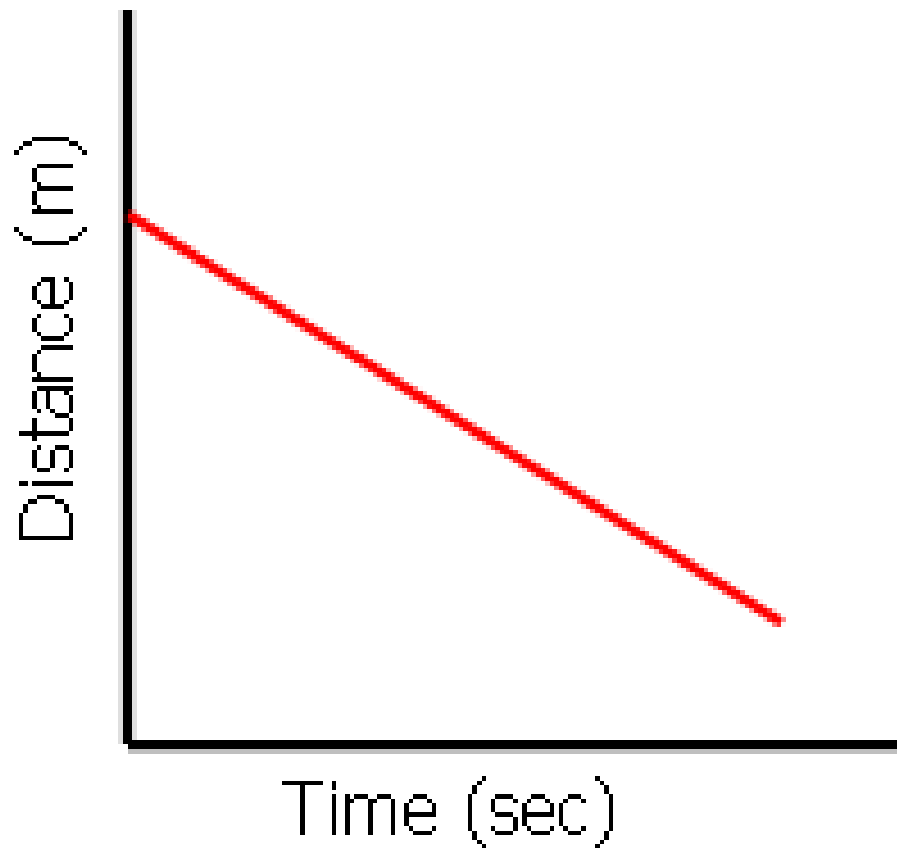
The graph shows that the object's distance increases as time passes. The object is moving and so it has velocity.

The straight line shows it is a constant (not changing).

Interpret The Graph Below:

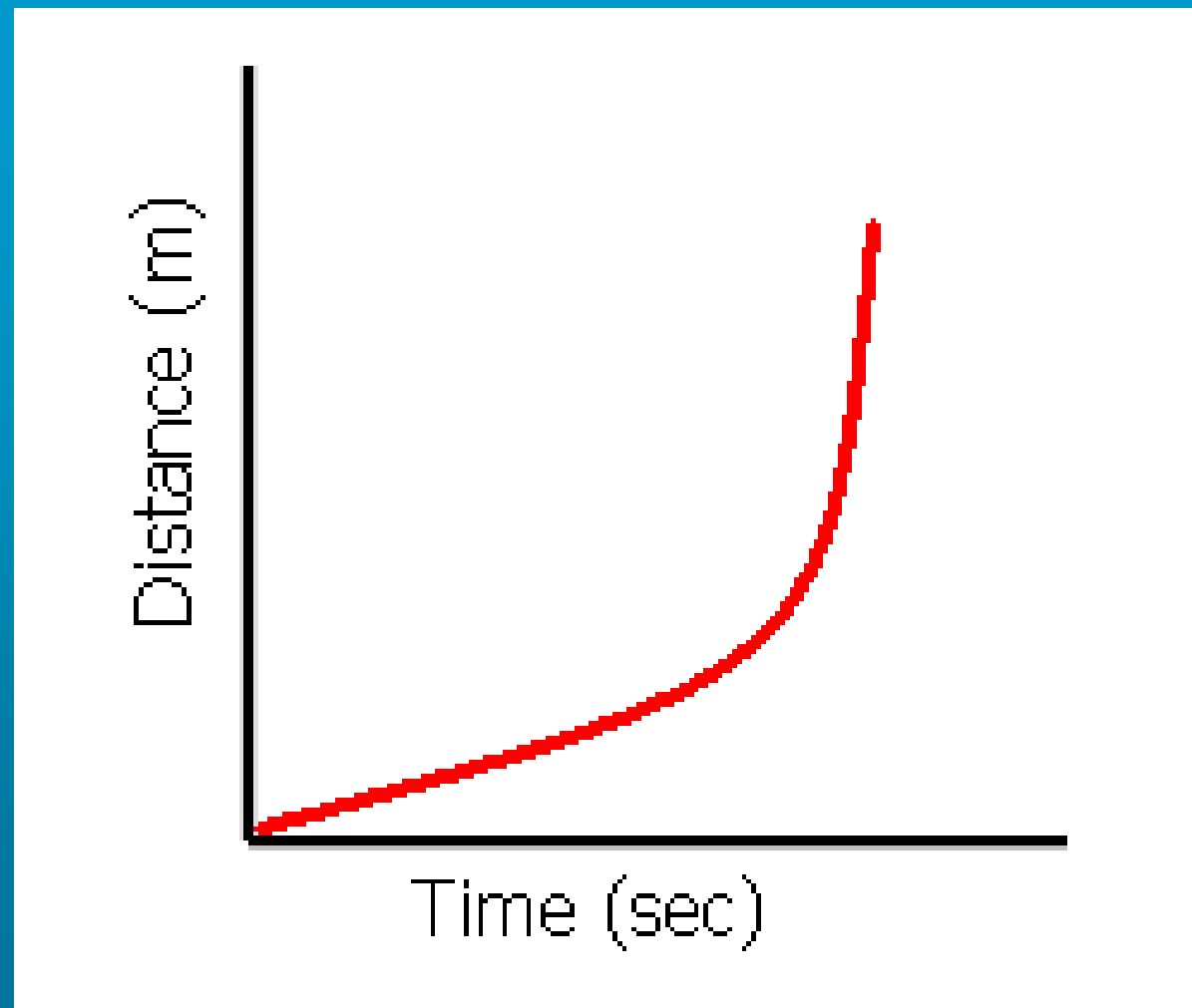


Interpret The Graph Below:

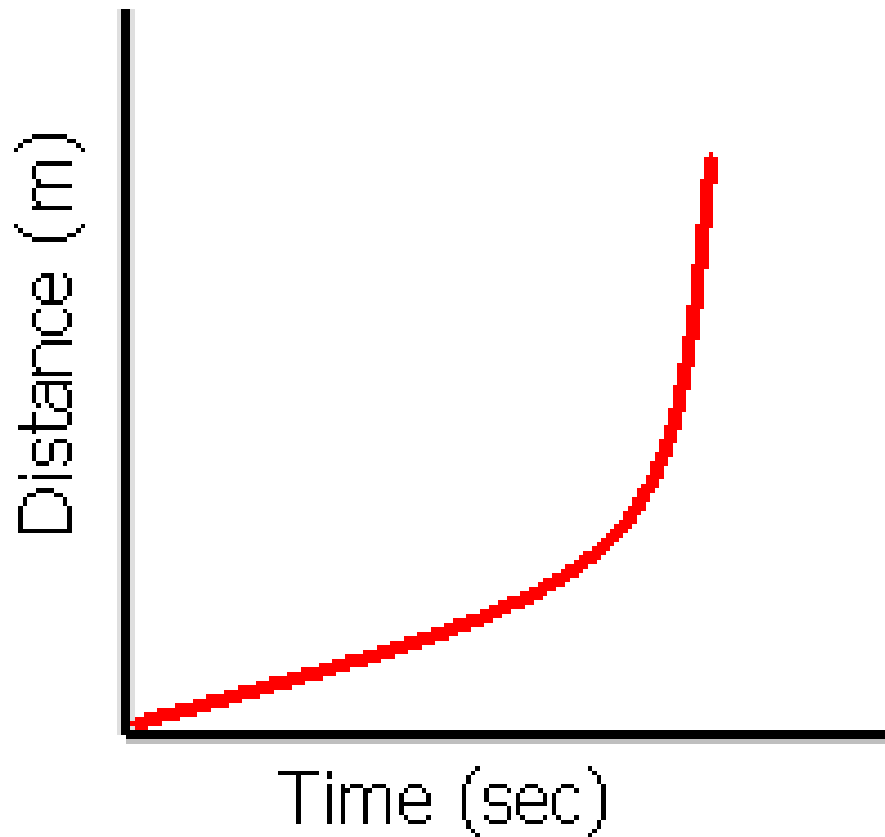


Just like the previous graph, this graph shows an object moving with constant velocity

Interpret The Graph Below:



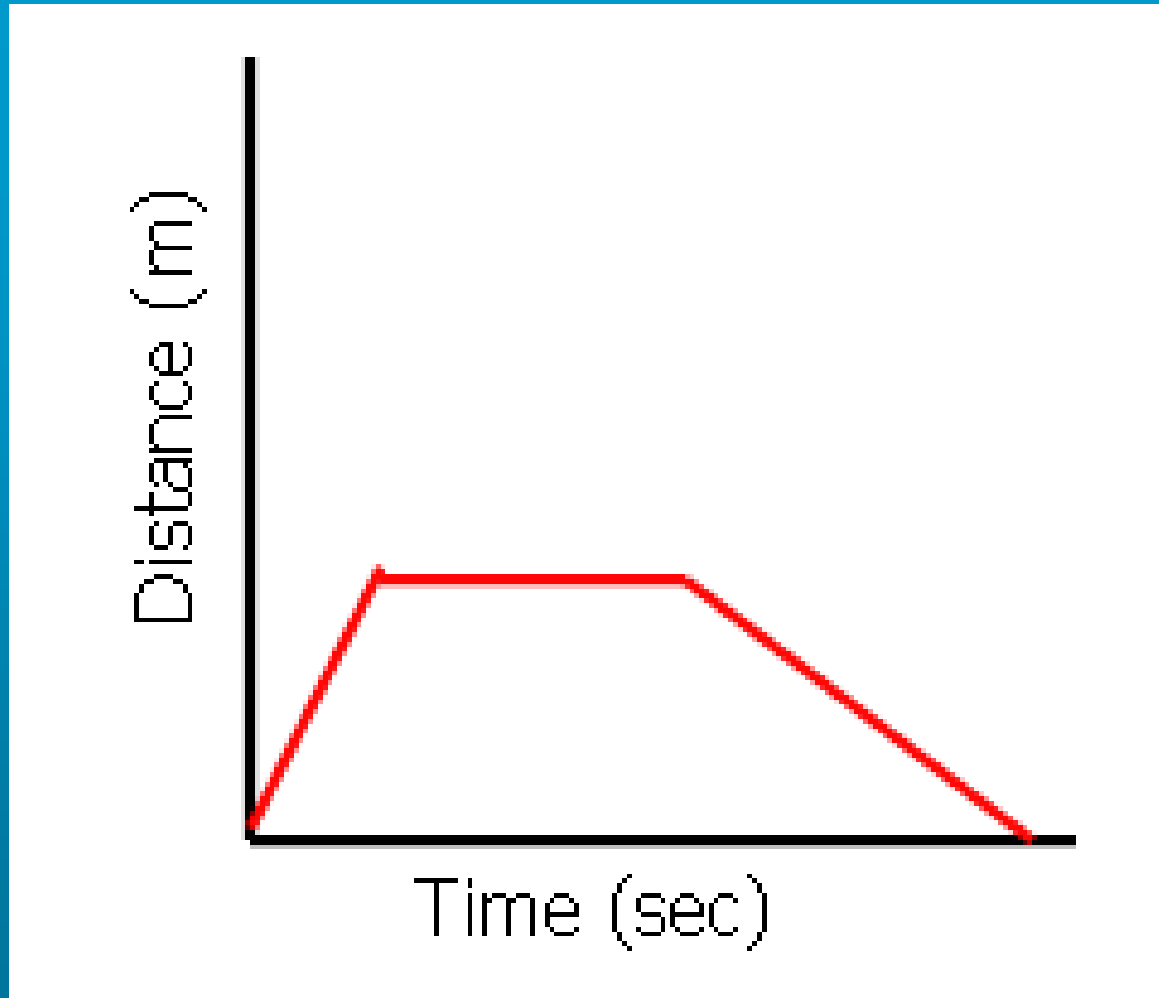
Interpret The Graph Below:



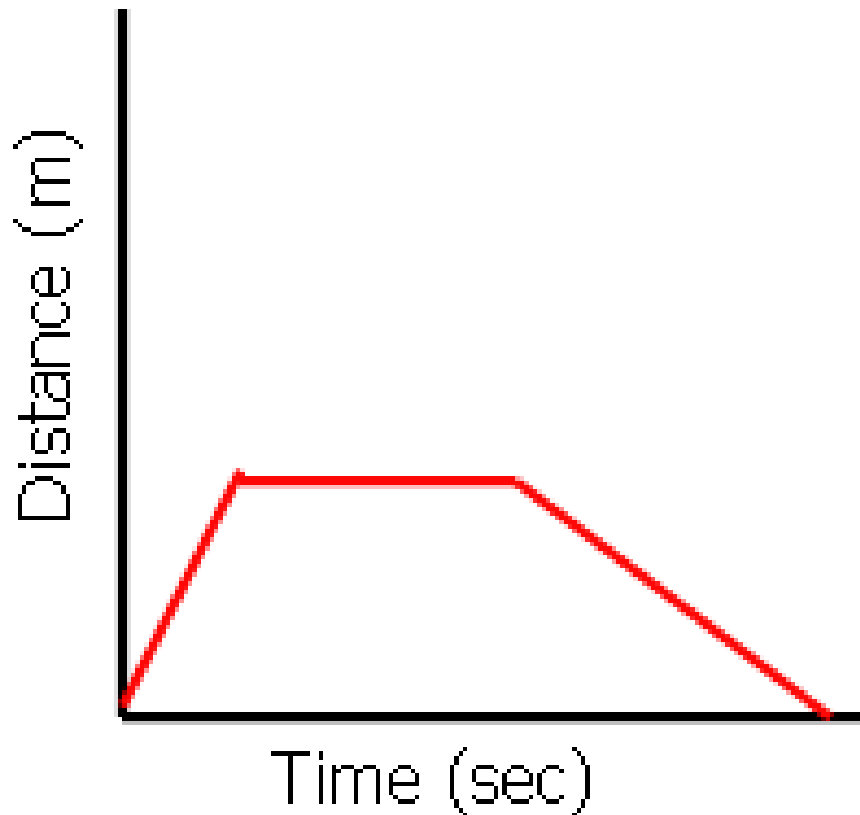
The curve in the graph shows that the objects velocity is changing as time passes.

This is acceleration.

Interpret The Graph Below:



Interpret The Graph Below:

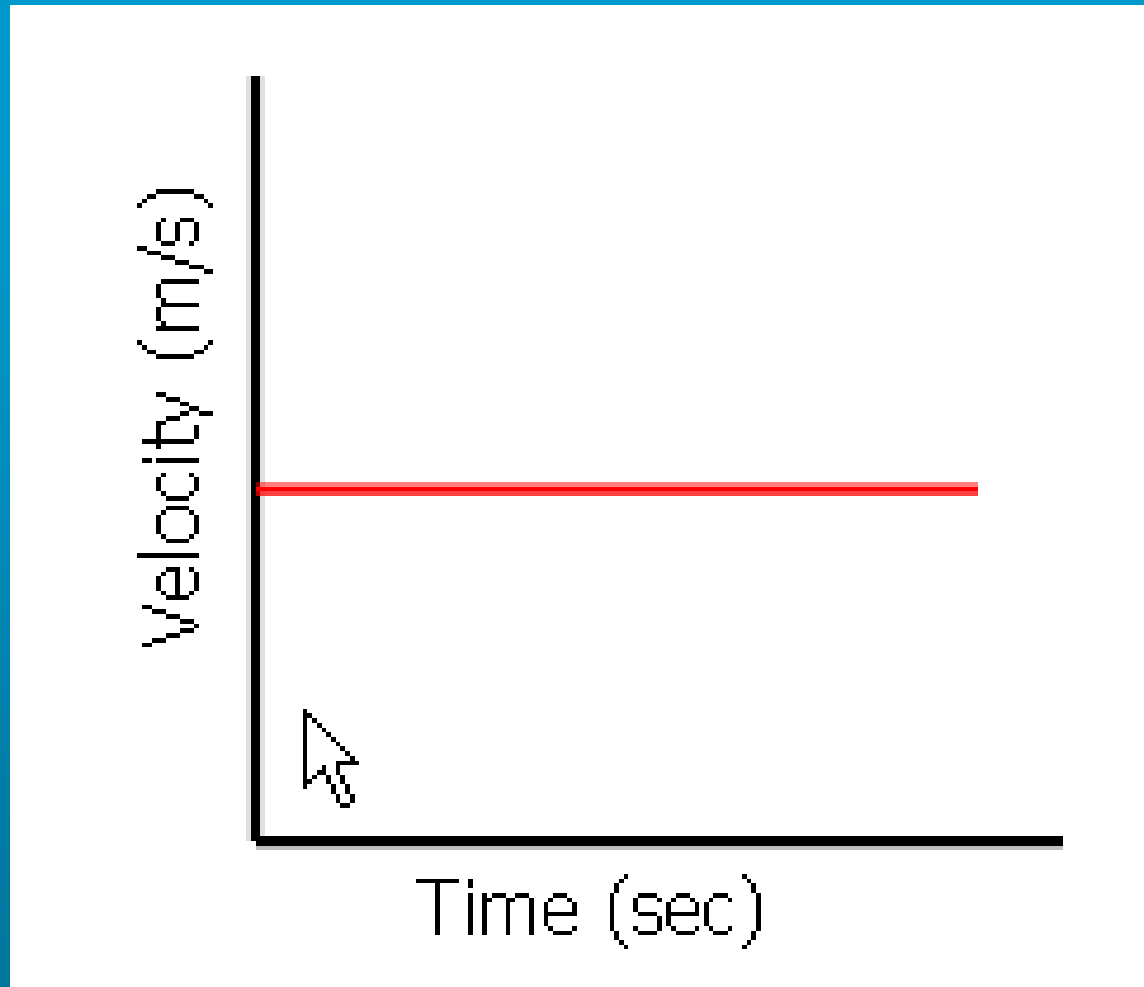


In the first part of the graph the object is moving with constant velocity.

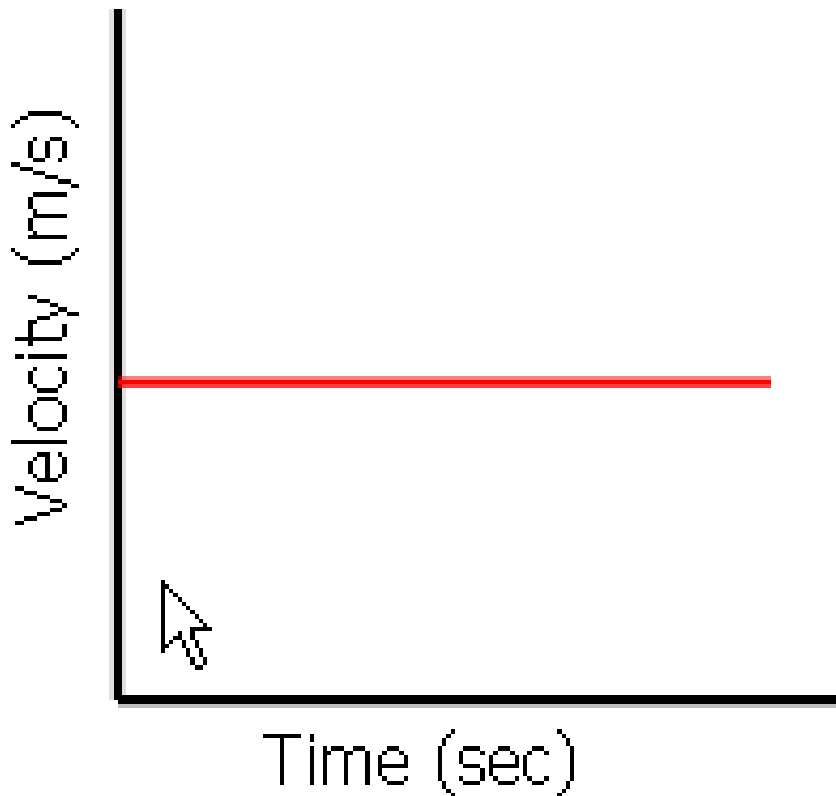
In the second part of the graph the object is at rest (not moving).

In the third part the object is again moving with constant velocity.

Interpret The Graph Below:



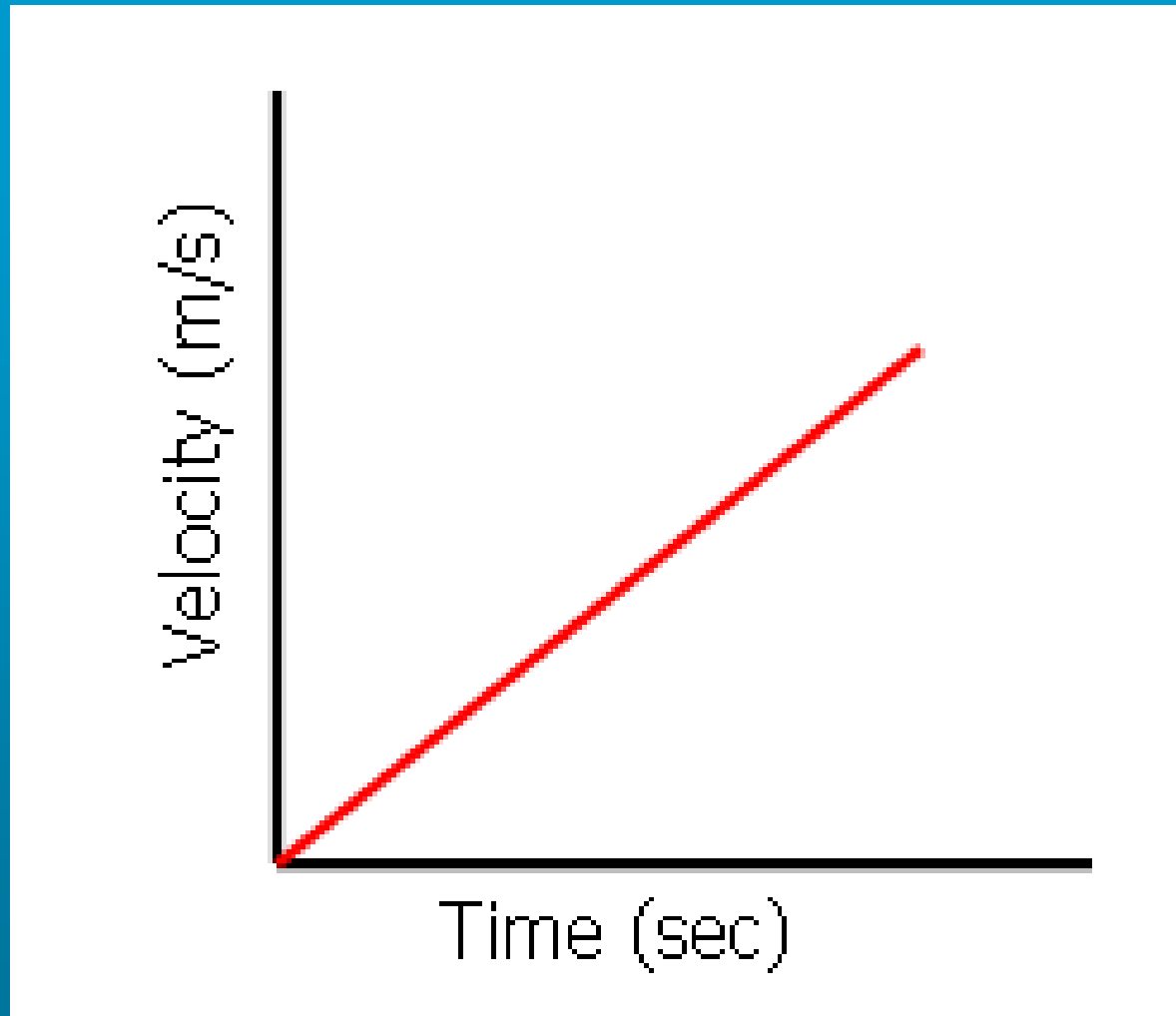
Interpret The Graph Below:



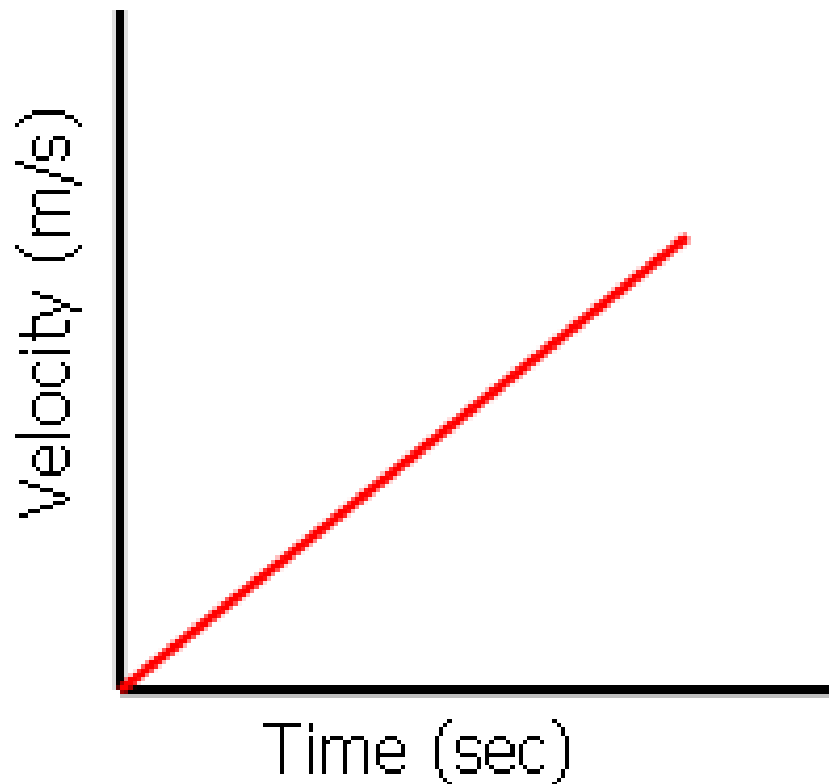
The graph shows that the objects velocity does not change as time passes.

It shows constant velocity.

Interpret The Graph Below:



Interpret The Graph Below:



The graph shows that the object's velocity is increasing as time passes – it is accelerating.

The straight line shows that it is constant acceleration.

Click here for more review:

<http://www.usoe.k12.ut.us/curr/science/sciber00/8th/forces/sciber/intro.htm>