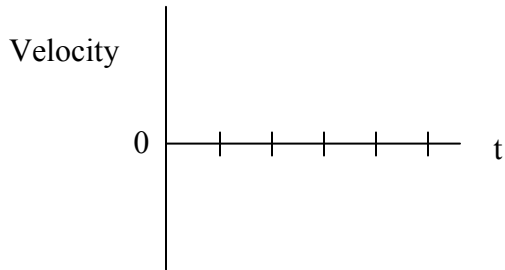


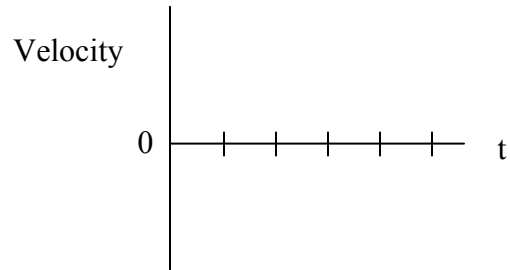
Velocity-Time Graphs Exercise

An object's motion is described in the text in the box. Sketch the graph below the text box.

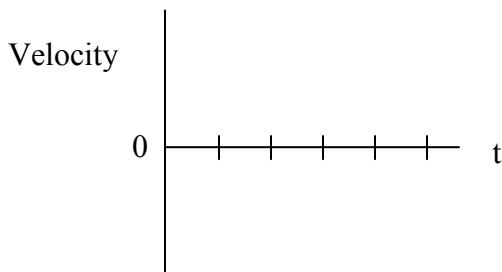
The object is still.



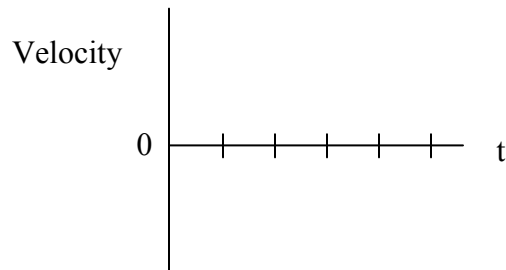
The object is moving forward at constant velocity



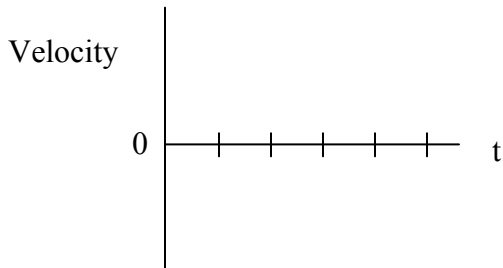
The object is moving backward at constant velocity



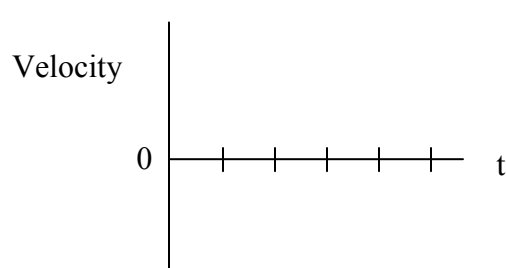
The object moves forward rapidly at constant velocity



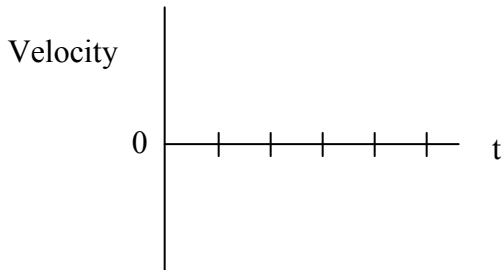
The object moves forward slowly at constant velocity



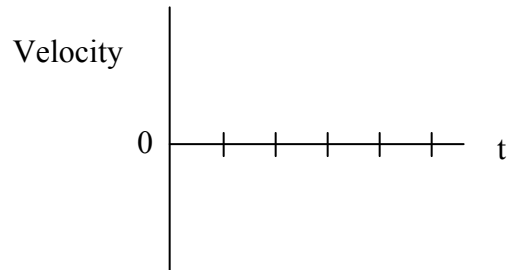
The object moves forward at constant velocity for 3s then is still



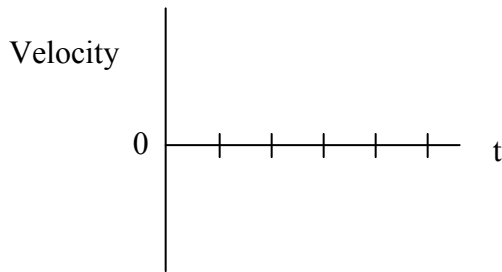
The object moves backward at constant velocity for 4s and then is still.



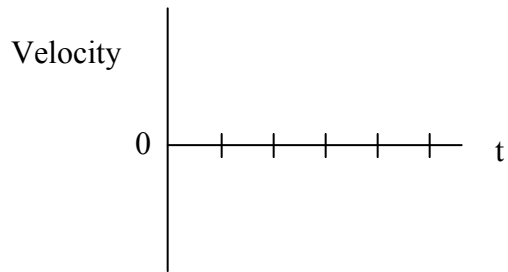
The object moves forward for 2s, is still for 2s and moves backward for 1s. (const. velocities)



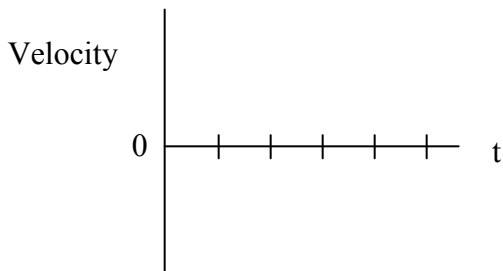
The object is still and accelerates forward (speeds up).



The object is moving and accelerates negatively (slows down) and stops.



The object is still, accelerates (speeds up), and decelerates (slows down).



The object is still, accelerates for 1s, maintains constant v for 2s, and decelerates to a stop in 2s.

