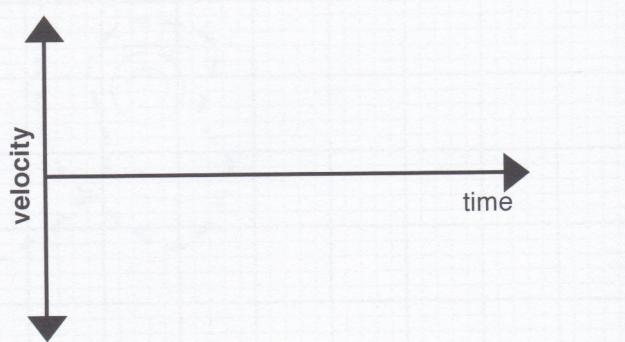


Worksheet 2: Motion Maps and Velocity vs. Time Graphs

Sketch **velocity vs. time** graphs and **motion maps** corresponding to the following descriptions of the motion of an object.

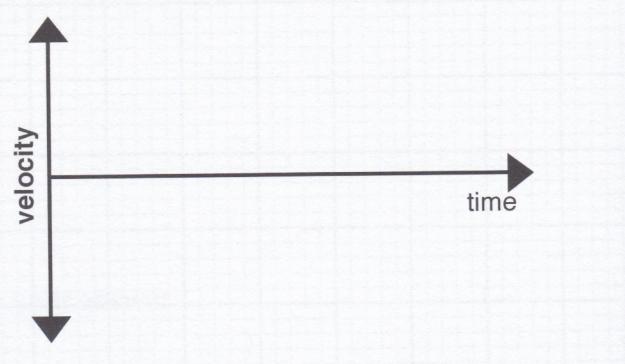
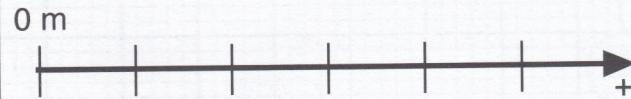
1. The object is moving in the positive direction at a constant (steady) speed.

Motion Map:



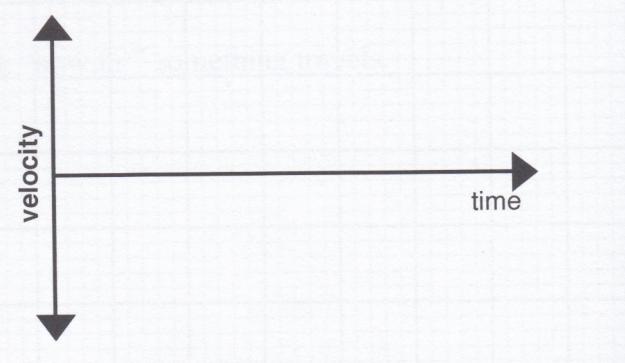
2. The object is standing still.

Motion Map:



3. The object moves in the negative direction at a steady speed for 10s, then stands still for 10s.

Motion Map:



4. The object moves in the positive direction at a steady speed for 10s, reverses direction and moves back toward the negative direction at the same speed.

Motion Map:

