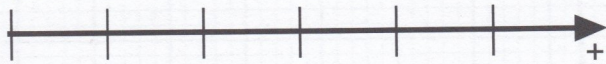
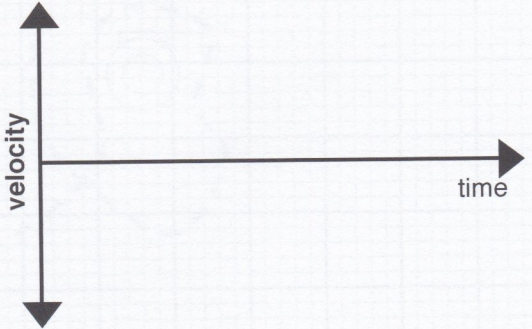
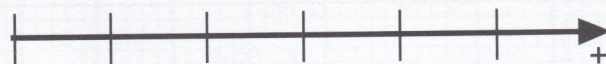
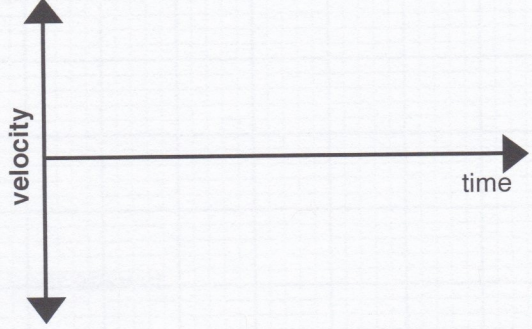
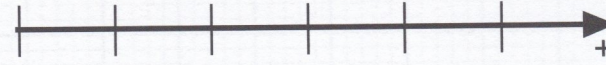
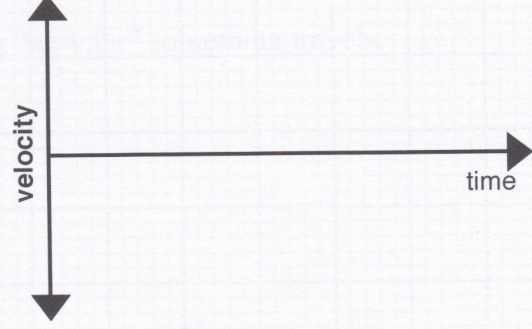


Worksheet 2: Motion Maps and Velocity vs. Time Graphs

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

<p>1. The object is moving in the positive direction at a constant (steady) speed.</p> <p>Motion Map:</p> <p>0 m</p> 	
<p>2. The object is standing still.</p> <p>Motion Map:</p> <p>0 m</p> 	
<p>3. The object moves in the negative direction at a steady speed for 10s, then stands still for 10s.</p> <p>Motion Map:</p> <p>0 m</p> 	
<p>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.</p> <p>Motion Map:</p> <p>0 m</p> 