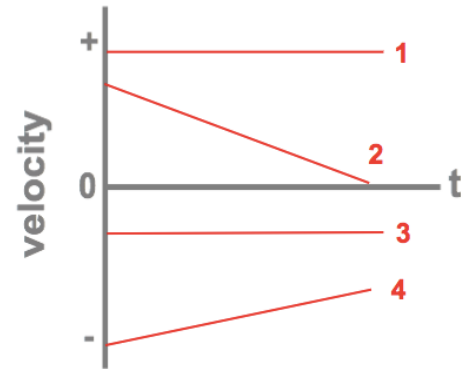# Velocity-Time Graphs: Constant Velocity Motion
Lesson Notes

A constant velocity (non-accelerating) object is an object that never changes its velocity.

Constant Velocity vs. Changing Velocity:
- Constant velocities are represented by horizontal lines (**1** and **3**).
- Changing velocities (accelerations) are represented by diagonal lines (**2** and **4**).
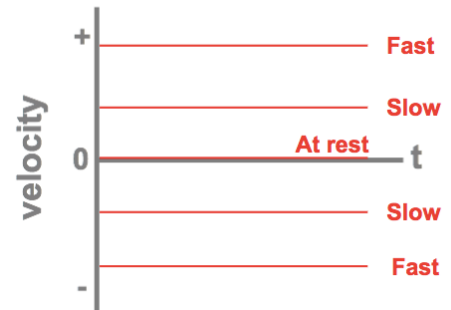
Positive (+) Velocity vs. Negative (-) Velocity:
- Objects with positive velocities are displayed in the + region (**1** and **2**).
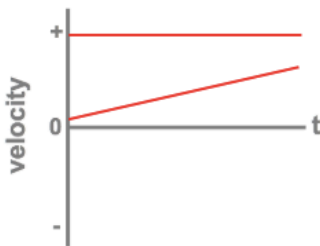- Objects with negative velocities are in the – region (**3** and **4**).

Slow-Moving Object vs. Fast-Moving Object:
A slow object has a small velocity and a fast object has a larger velocity.

- The closer the line is to 0, the slower the object is.
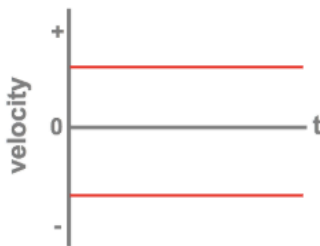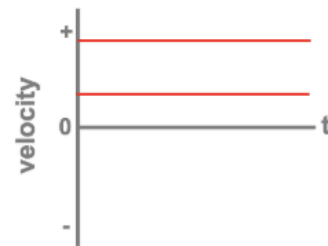- The farther the line is from 0, the faster the object.

Summary

Constant velocity: horizontal line

Changing velocity: diagonal line.

Positive velocity: above time axis.

Negative velocity: below time axis.

Fast-moving object: further from time axis.

Slow-moving object: closer to time axis.