

# Monday Reading Assessment: Unit 1, Vectors

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## 1 Chapter 2 - Kinematics

1. Is it possible for velocity to be constant while acceleration is not zero? Explain.
2. Give an example in which velocity is zero yet acceleration is not.
3. If a subway train is moving to the left (has a negative velocity) and then comes to a stop, what is the direction of its acceleration? Is the acceleration positive or negative? Draw a diagram, just giving example vectors of the velocity and acceleration.