

Motion Vocabulary

1. **Motion**- is a change in position of an object with respect to time. Motion is typically described in terms of displacement, distance (scalar), velocity, **acceleration**, time and speed.
2. **Speed**- is a **scalar quantity** that refers to "how fast an object is moving." Speed can be thought of as the rate at which an object covers distance
3. **Velocity**- is a **vector quantity** that refers to "the rate at which an object changes its position."
4. **Acceleration**- is a **vector quantity** that is defined as the rate at which an object changes its **velocity**. An object is accelerating if it is changing its velocity.
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