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Motion, Speed And Acceleration

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Across

- **4.** A system of objects that are not moving with respect to one another.
- **6.** Movement in relation to a frame of reference.
- 7. The movement of an object toward Earth because of gravity.
- **10.** The length of the path between two points.
- **11.** The vector sum of two or more vectors.
- **12.** The speed and direction an object is moving.

- **13.** The total distance traveled divided by the time it takes to travel that distance.
- 14. The indefinite continued progress of existence and events in the past, present, and future regarded as a whole.
- **15.** The rate at which velocity changes.

Down

1. A steady change in velocity.

- **2.** The ratio of the distance an object moves to the amount of time the object moves.
- **3.** The rate at which an object is moving at a given moment in time.
- **5.** A graph in which the displayed data form a curved line.
- **8.** A graph in which the displayed data form a straight line.
- **9.** A quantity that has a direction associated with it.