

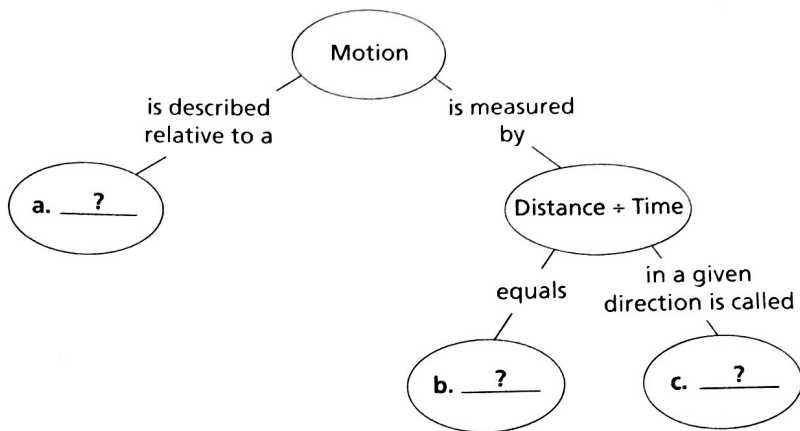
Review and Assessment

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Organizing Information

Concept Mapping Copy the concept map about motion onto a separate sheet of paper. Then complete it and add a title. (For more information on Concept Mapping, see the Skills Handbook.)



Reviewing Key Terms

Choose the letter of the best answer.

- A change in position with respect to a reference point is
 - acceleration.
 - velocity.
 - direction.
 - motion.
- You do not know an object's velocity until you know its
 - speed and distance.
 - reference point.
 - speed and direction.
 - acceleration.
- If you know a car travels 30 km in 20 minutes, you can find its
 - acceleration.
 - average speed.
 - direction.
 - instantaneous speed.
- Acceleration is a change in speed or
 - time.
 - slope.
 - direction.
 - distance.
- The rate at which velocity changes is called
 - acceleration.
 - constant speed.
 - average speed.
 - velocity.

If the statement is true, write *true*. If it is false, change the underlined word or words to make the statement true.

- The distance an object travels per unit of time is called acceleration.
- The basic SI unit of length is the meter.
- The SI unit of velocity is m/s^2 .
- The slope of a speed-versus-time graph represents acceleration.
- Both speed and acceleration include the direction of an object's motion.

Writing in Science

News Report Two trucks have competed in a race. Write an article describing the race and who won. Explain the role the average speed of the trucks played. Tell how average speed can be calculated.

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Motion

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