

Lesson 1 Position and Motion

Scan Lesson 1. Read the lesson titles and bold words. Look at the pictures. Identify three facts that you discovered about position and motion. Write your facts in your Science Journal.

Main Idea

Describing Position

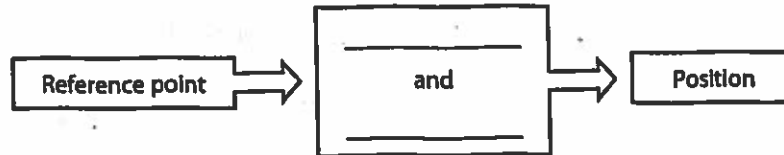
I found this on page _____.

I found this on page _____.

I found this on page _____.

Details

Explain how a reference point is used to describe position.



Identify what must change if the reference point is changed.

When a reference point is changed, the description of the _____ and the _____ to the object also must be changed.

Find each building's reference direction and distance. West is the specified reference direction. Then use a reference point and the distance to give directions from the post office to the mall.



| | Reference Direction | Distance (km) |
|----------------------------|---------------------|---------------|
| Mall to post office | | |
| Library to coffee shop | | |
| Mall to library | | |
| Post office to coffee shop | | |

Directions: _____

Lesson 1 | Position and Motion (continued)

Main Idea

Describing Position in Two Dimensions

I found this on page _____.

Describing Changes in Position

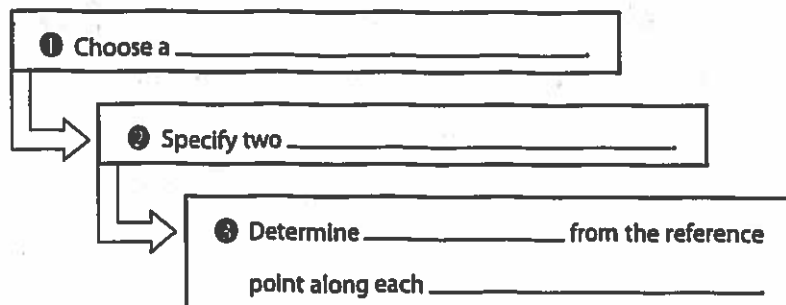
I found this on page _____.

I found this on page _____.

Copyright © Glencoe/McGraw-Hill, a division of The McGraw-Hill Companies, Inc.

Details

Sequence the steps in describing position in two dimensions.

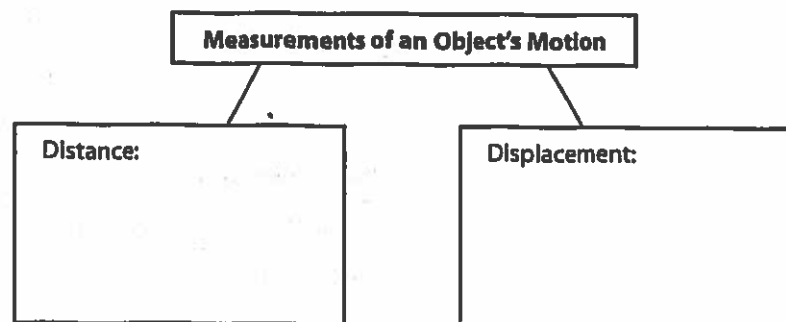


Define motion, and explain how to determine whether motion has occurred.

Motion is _____.

To tell whether an object is in motion, _____

Differentiate distance and displacement.



Connect It You are riding on a wagon. If you use the wagon as a reference point, are you moving? How do you know the wagon is moving?
