


Video Lesson

Name: _____ Date: _____ Per. _____

Watch the Video:  **Distance and Displacement** Answer the questions below in complete sentences, using the information from the video for support.

5. In the car example, what is the total distance traveled if the car moves from Point A to Point B and then backs up to the midpoint?

11.1 Distance and Displacement
Integrated Science
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6. Using the same car example, what would be the total displacement?

7. Can you explain why the displacement is different from the total distance in the car example?

8. In the context of a 400-meter race, what would be the total distance covered by a runner?

9. What would be the displacement for the same 400-meter race?

10. Why is the displacement zero in the 400-meter race?