11.1 Distance and Displacement Integrated Science Video Lesson

Name:	Date:	_ Per
Watch the Video: 🔼 Distance and Displaceme	entAnswer the questions below ir	n complete
sentences, using the information from the video	for support.	
1. What is the definition of distance?		
2. How does displacement differ from distance?		
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3. What is the term used for measurements that	include direction?	
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4. What do we call measurements that don't incl	ude direction?	
5. In the car example, what is the total distance t	raveled if the car moves from Po	int A to Point B
and then backs up to the midpoint?		

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6. Using the same car example, what would be	the total displacement?	
7. Can you explain why the displacement is diffe	erent from the total distance in the	e car example?
9. In the context of a 400 meter race, what would	ld he the total distance severed h	v a ruppor?
8. In the context of a 400-meter race, what would	d be the total distance covered b	y a runner?
9. What would be the displacement for the same	e 400-meter race?	
10. Why is the displacement zero in the 400-me	eter race?	
, 12 mil maphabamani 20 10 mil		