Lesson Outline

LESSON 1

Position and Motion

A. De	escribing Position	
1	A(n) is a starting point you choose to describe the location, or position, of an object.	
2	· A(n)reference point.	is an object's distance and direction from a
3.	A complete description of a position includes a distance,	
	a(n)	, and a reference point.
4	• A good choice for a(n)	is something that is easy to find.
5	If a reference point changes, the description of an object's	
		will also change.
6	Changing a reference point does not change the actual of an object.	
7	When you describe an object's position, you compare its location to a	
	reference	
8.	• A reference direction can	be described as a(n) direction.
	The opposite direction is	the direction.
B. De	escribing Position in Two Di	imensions
1.	When you describe position using two directions, you are using	
	two	.
2	Examples of directions in two dimensions include "north and east" and "right and forward."	
3	• To find a position in two	dimensions, first choose a reference
		Next specify reference
	Then determine the	along each reference direction.
C. De	escribing Changes in Positio	on
1.	•	is the process of changing position. It is always
	described relative to a(n)	

2. It is possible to move with regard to one _____ and stay

motionless with regard to another ______.

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Lesson Outline continued

3. ______ is the length of the path an object moves along.

4. ______ is the difference between the initial position and the final position of an object.

5. Distance and displacement are equal only if the motion is in

one