

Name _____

Date _____ Period/Teacher _____



1. Of the following items, which could be thrown into the common trash can in the laboratory?

- A. paper towels used to dry your hands
- B. solid chemicals such as powders
- C. solutions of any type
- D. very small pieces of glass

6.1B

2. Label the parts of the graph using the terms below.



graph title x-axis
y-axis x-axis title
y-axis title

6.8D

3. VOCABULARY – Match the following terms to the correct definitions.

_____ the speed and direction of a moving object

_____ A change in position measured by distance or time

_____ tells us whether something is changing speed, direction or both

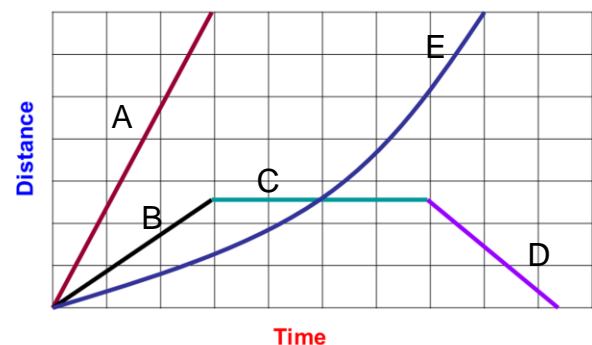
_____ the rate at which an object moves

- A. Motion
- B. Speed
- C. Acceleration
- D. Velocity

6.8B

4. On the distance-time graph below, match the letter with the correct term.

Distance-Time Graph



- _____ return to start
- _____ accelerating
- _____ steady speed
- _____ stationary
- _____ faster, steady speed

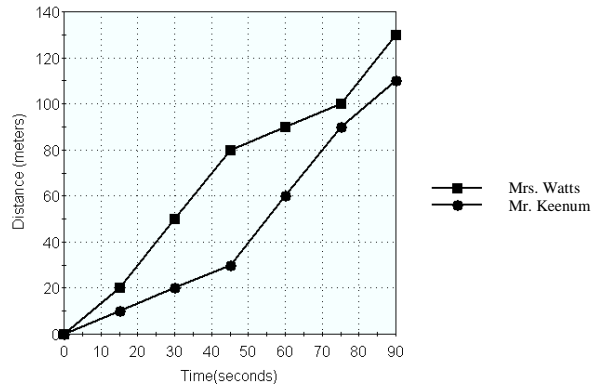
6.8D

5. An object that is at rest will begin to move if which of the following is true?

- A. The surface on which it rests is frictionless.
- B. The mass of the object is sufficient.
- C. Unbalanced forces act on the object.
- D. Gravity on the object can be reduced.

6.8B

6. Using the graph below, calculate the difference in the average speeds between the two teachers.

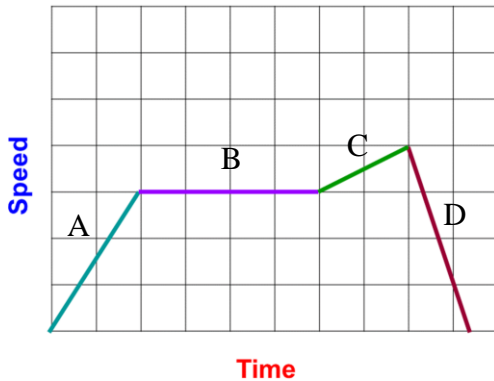


- A. 1.40 m/s
- B. 1.22 m/s
- C. 0.18 m/s
- D. 2.62 m/s

6.8CD

7. On the speed-time graph below, match the letter with the correct term.

Speed-Time Graph



- _____ constant speed
- _____ steady acceleration
- _____ steady deceleration
- _____ acceleration

6.8D

8. A soccer ball takes 30 seconds to roll 15 meters. Calculate the average speed of the ball using distance and time measurements.

0	0	0	0	.	0	0
1	1	1	1		1	1
2	2	2	2		2	2
3	3	3	3		3	3
4	4	4	4		4	4
5	5	5	5		5	5
6	6	6	6		6	6
7	7	7	7		7	7
8	8	8	8		8	8
9	9	9	9		9	9

6.8C