

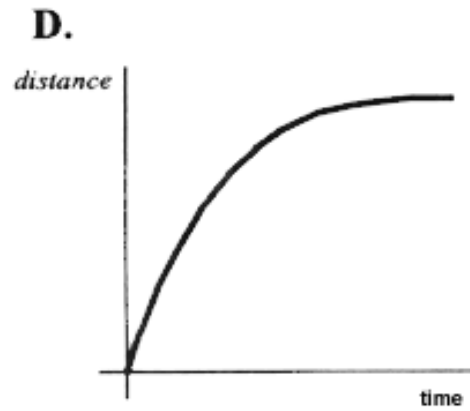
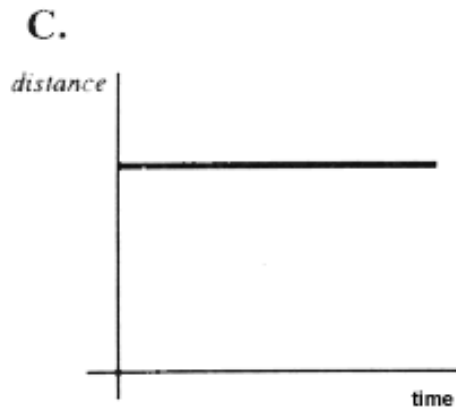
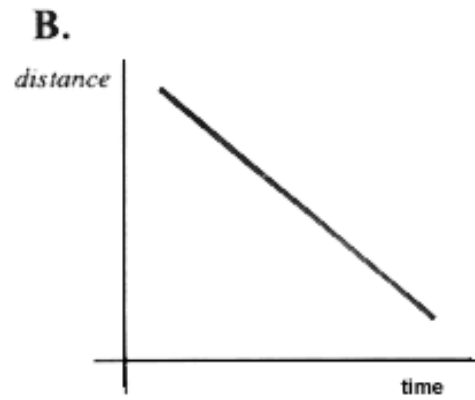
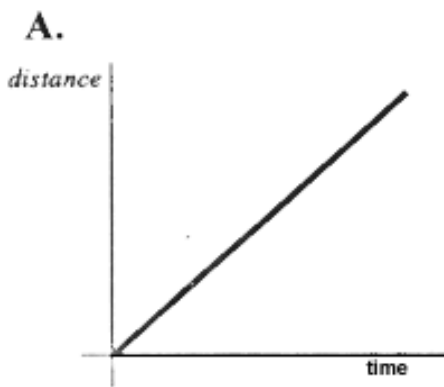
# Motion Graphing Practice

Name \_\_\_\_\_  
1 2 3 4 5 6 7 8

Match each graph with a statement and explain why.

## Descriptions

1. The car is stopped.
2. The car is traveling at a constant speed.
3. The speed of the car is decreasing.
4. The car is coming back.



Graph A matches description \_\_\_\_\_ because \_\_\_\_\_

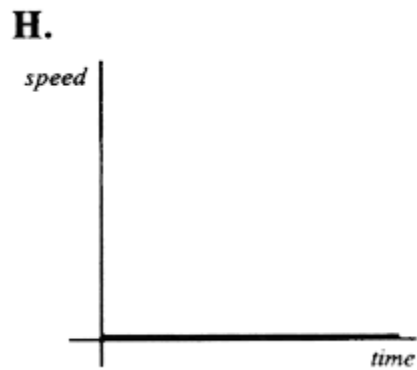
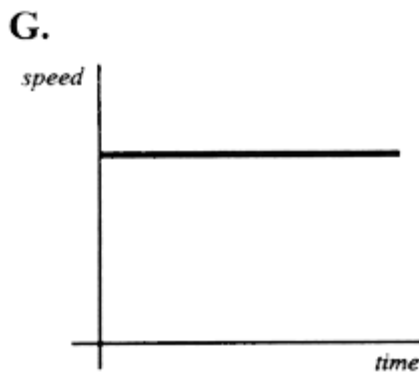
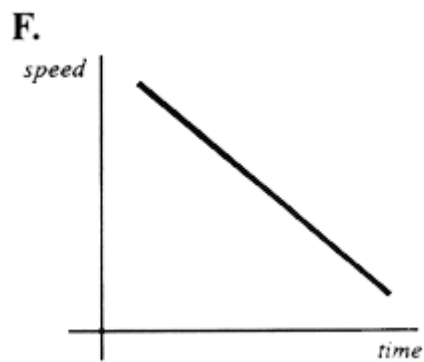
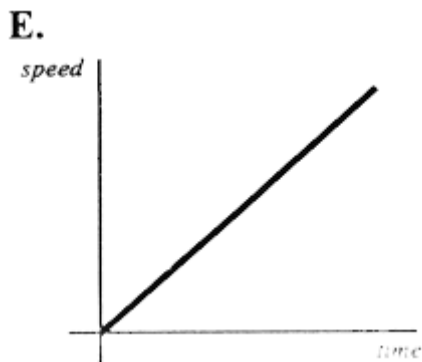
Graph B matches description \_\_\_\_\_ because \_\_\_\_\_

Graph C matches description \_\_\_\_\_ because \_\_\_\_\_

Graph D matches description \_\_\_\_\_ because \_\_\_\_\_

## Descriptions

5. The car is stopped.
6. The car is traveling at a constant speed.
7. The car is accelerating.
8. The car is slowing down.



Graph E matches description \_\_\_\_\_ because \_\_\_\_\_

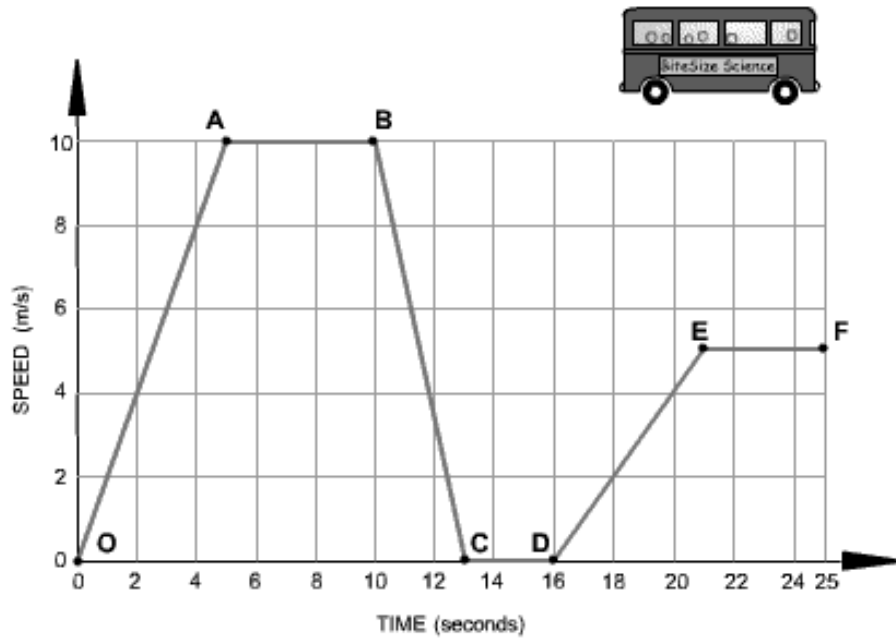
Graph F matches description \_\_\_\_\_ because \_\_\_\_\_

Graph G matches description \_\_\_\_\_ because \_\_\_\_\_

Graph H matches description \_\_\_\_\_ because \_\_\_\_\_

The graph represents the motion of a school bus. Describe the motion of the bus during each segment using the following words.

- Accelerating
- Decelerating
- Moving at a constant velocity
- Stopped



Segment O-A: The bus is \_\_\_\_\_.

Segment A-B: The bus is \_\_\_\_\_.

Segment B-C: The bus is \_\_\_\_\_.

Segment C-D: The bus is \_\_\_\_\_.

Segment D-E: The bus is \_\_\_\_\_.

Segment E-F: The bus is \_\_\_\_\_.