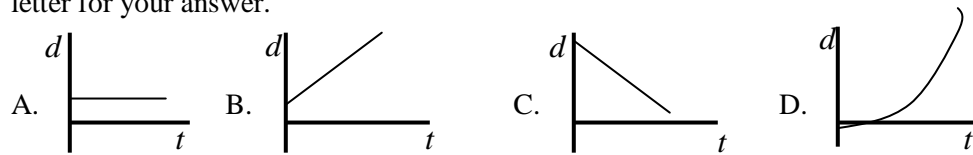


Kinematics Graphs

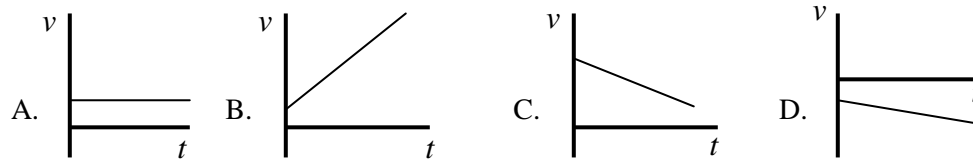
Name _____ Period _____ Date _____

Use the following **position vs. time** graphs for the next five questions. You may have more than one letter for your answer.

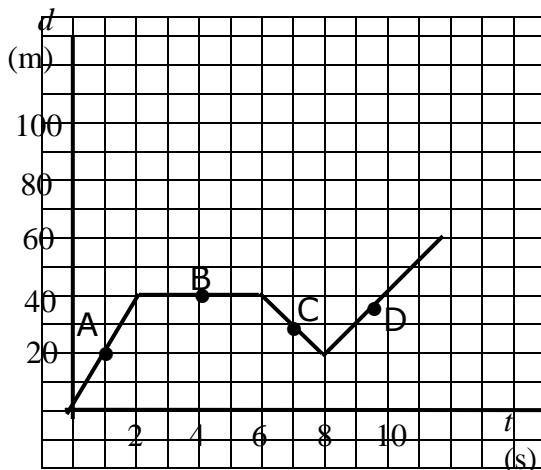


- _____ 1. Which graph(s) show(s) uniform motion (constant velocity)? B & C
- _____ 2. Which graph(s) show(s) no motion? A
- _____ 3. Which graph(s) show(s) negative velocity? C
- _____ 4. Which graph(s) show(s) a positive displacement? B & D
- _____ 5. Which graph(s) show(s) a changing velocity? D

Use the following **velocity vs. time** graphs for the next three questions



- _____ 6. Which graph(s) show(s) uniform motion? A
- _____ 7. Which graph(s) show(s) no acceleration? A
- _____ 8. Which graph(s) show(s) motion in the negative direction? D



Using the position vs. time graph to the left, answer the following questions. Assume right to be the positive direction, left to be negative

- _____ 9. At point A, the object is (a) **moving right** (b) moving left (c) stopped (d) accelerating
- _____ 10. At point B, the object is (a) moving right (b) moving left (c) **stopped** (d) accelerating
- _____ 11. At point C, the object is (a) moving right (b) **moving left** (c) stopped (d) accelerating
- _____ 12. At point D, the object's velocity is (a) 2 m/s (b) 4 m/s (c) 5 m/s (d) **10 m/s**

Using the velocity graph

to the right, answer the following questions

- _____ 13. At point D, the object is (a) moving right (b) **moving left** (c) decreasing its speed (d) below ground level
- _____ 14. At point C, the object is (a) moving right (b) moving left (c) **stopped** (d) going downhill
- _____ 15. At point B, the object is (a) **moving right** (b) moving left (c) stopped (d) accelerating
- _____ 16. The displacement of the object at point C is **120m**

