

The picture of the position vs. time graph shows an object that is...

- a) accelerating/speeding up
- b) moving at a constant speed
- c) not moving
- d) accelerating/slowing down.

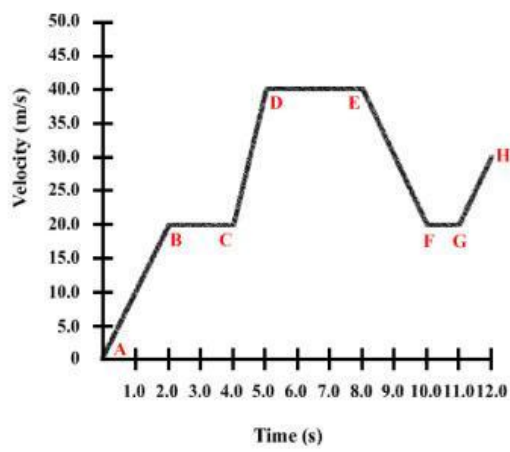
2. What is acceleration

- a) Slowing down
- b) Speeding up
- c) Rate at which speed changes
- d) Rate at which velocity changes

3. Acceleration only takes place when things speed up.

- a) True
- b) False

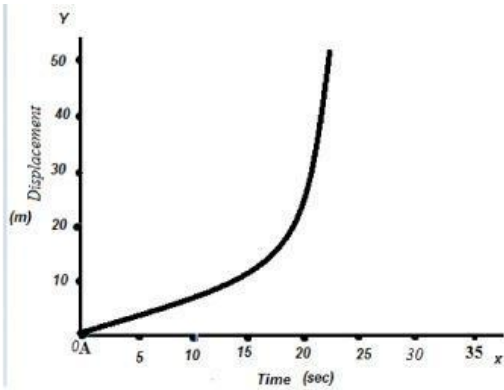
4.



During which interval is the object speeding up?

- a) A to B
- b) B to C
- c) D to E
- d) E to F

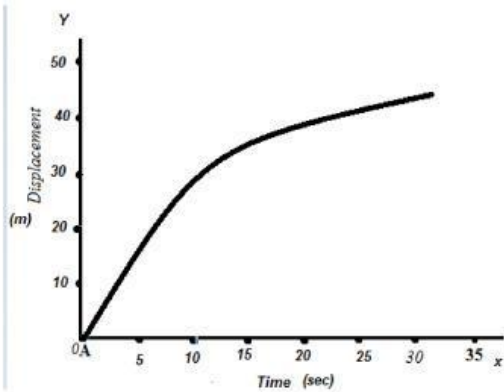
5.



what does this graph show?

- a) positive acceleration
- b) negative acceleration (deceleration)
- c) positive uniform velocity
- d) negative uniform velocity

6.



What is shown in this graph?

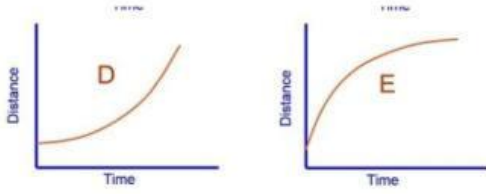
- a) negative velocity
- b) positive velocity
- c) negative acceleration deceleration
- d) positive acceleration

7. The slope of a velocity-time graph represents _____.

- a) acceleration
- c) speed

- b) displacement
- d) distance

8.

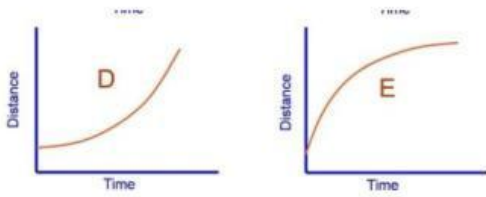


Which graph is showing acceleration (getting faster)

- a) D
- c) both D and E

- b) E
- d) neither D or E

9.

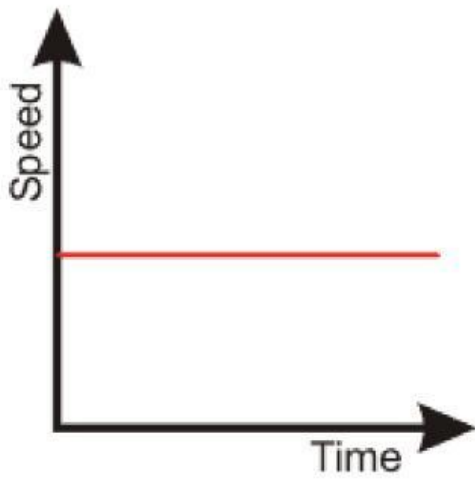


Which graph is showing deceleration (getting slower)

- a) D
- c) both D and E

- b) E
- d) neither D or E

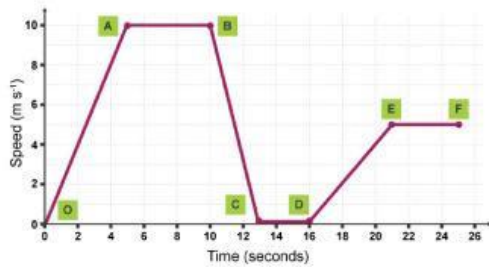
10.



What is the speed this motion?

- a) constant speed
- b) not moving
- c) speed increasing
- d) speed increasing at a constant rate

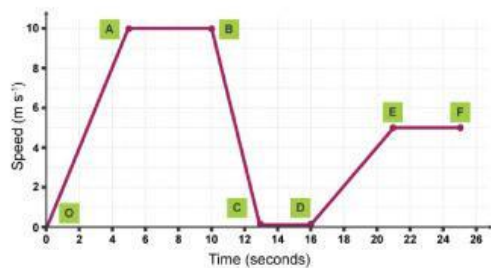
11.



What happened during A to B point?

- a) not moving
- b) increasing speed at a constant rate
- c) moving at a constant speed
- d) acceleration

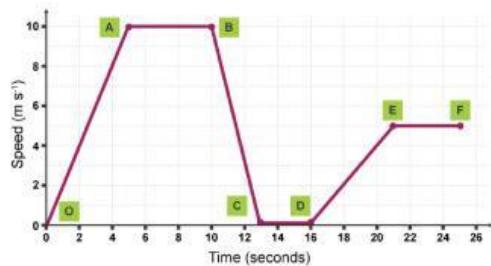
12.



What happened during C to D point?

- a) not moving
- b) increasing speed at a constant rate
- c) moving at a constant speed
- d) moving at 0 m/s² acceleration

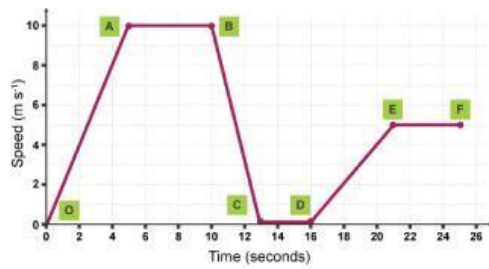
13.



What happened during E to F point?

- a) not moving
- b) increasing speed at a constant rate
- c) constant speed
- d) acceleration

14.



What happened during B to C point?

- a) deceleration
- b) constant speed
- c) at rest
- d) acceleration