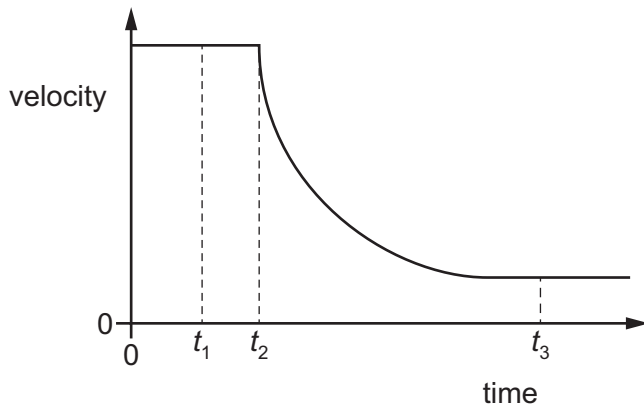


- 11 A skydiver is falling at constant velocity. She then opens her parachute. The graph shows the variation with time of her velocity.



Which statements about the motion of the skydiver are correct?

- 1 The magnitude of the acceleration is maximum at time  $t_2$ .
- 2 The magnitude of the drag force at time  $t_1$  equals the magnitude of the drag force at time  $t_3$ .
- 3 The magnitude of the drag force is maximum at time  $t_1$ .

**A** 1 and 2

**B** 1 and 3

**C** 2 only

**D** 3 only