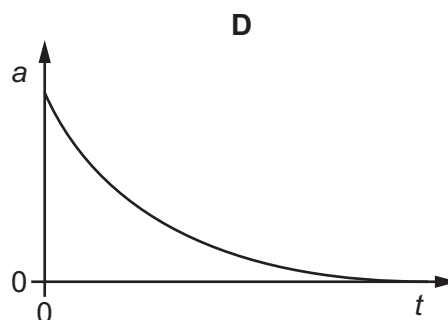
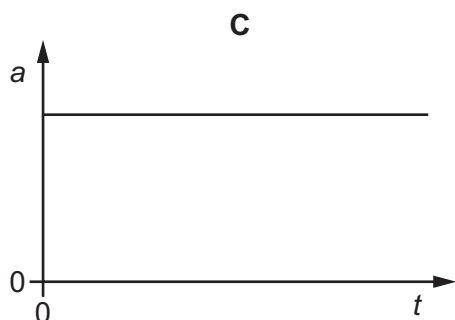
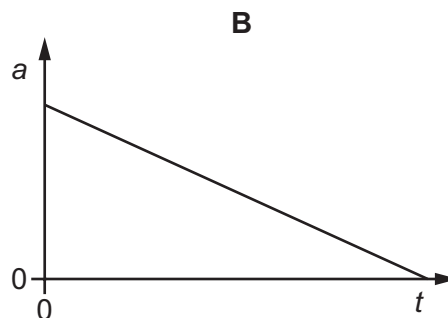
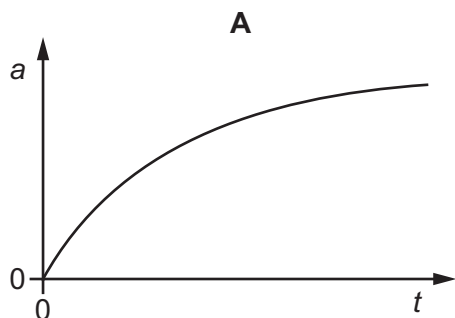


- 8 A stone is released from rest and falls a long distance in air.

Which graph could show the variation with time  $t$  of the acceleration  $a$  of the stone?



- 9 A slow vehicle and a fast vehicle travel towards each other in a straight line and then collide.

Which outcome is **never** possible, regardless of the masses of the vehicles?

- A** Both vehicles stop.
- B** Only one vehicle stops.
- C** The fast vehicle's speed increases.
- D** The slow vehicle's speed increases.