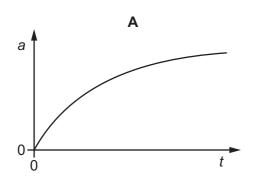
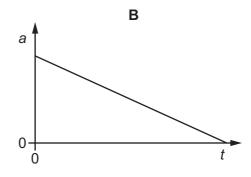
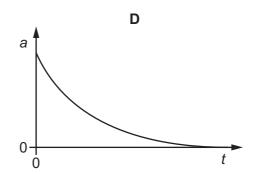
8 A stone is released from rest and falls a long distance in air.

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.