

- 24** Diagram 1 shows an aluminium rod, moving at right angles to a uniform magnetic field. Diagram 2 shows the variation with time  $t$  of the distance  $s$  from O.

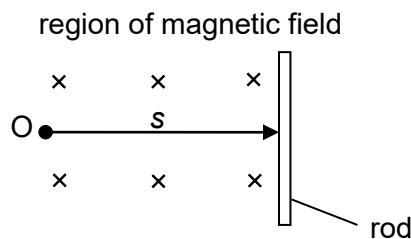


diagram 1

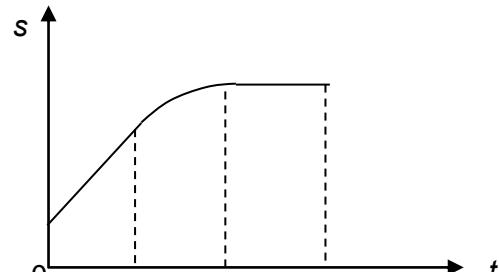
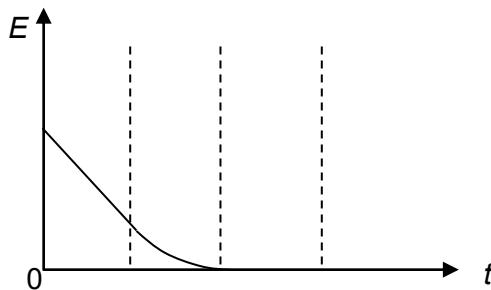


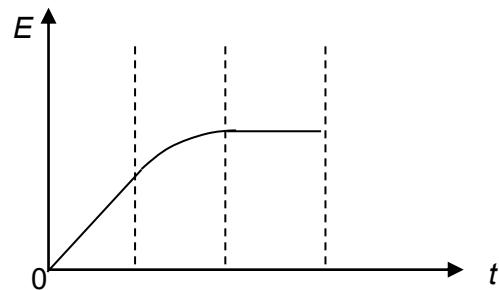
diagram 2

Which graph best shows the variation of  $t$  of the e.m.f.  $E$  induced in the rod?

**A**



**B**



**C**

**D**

