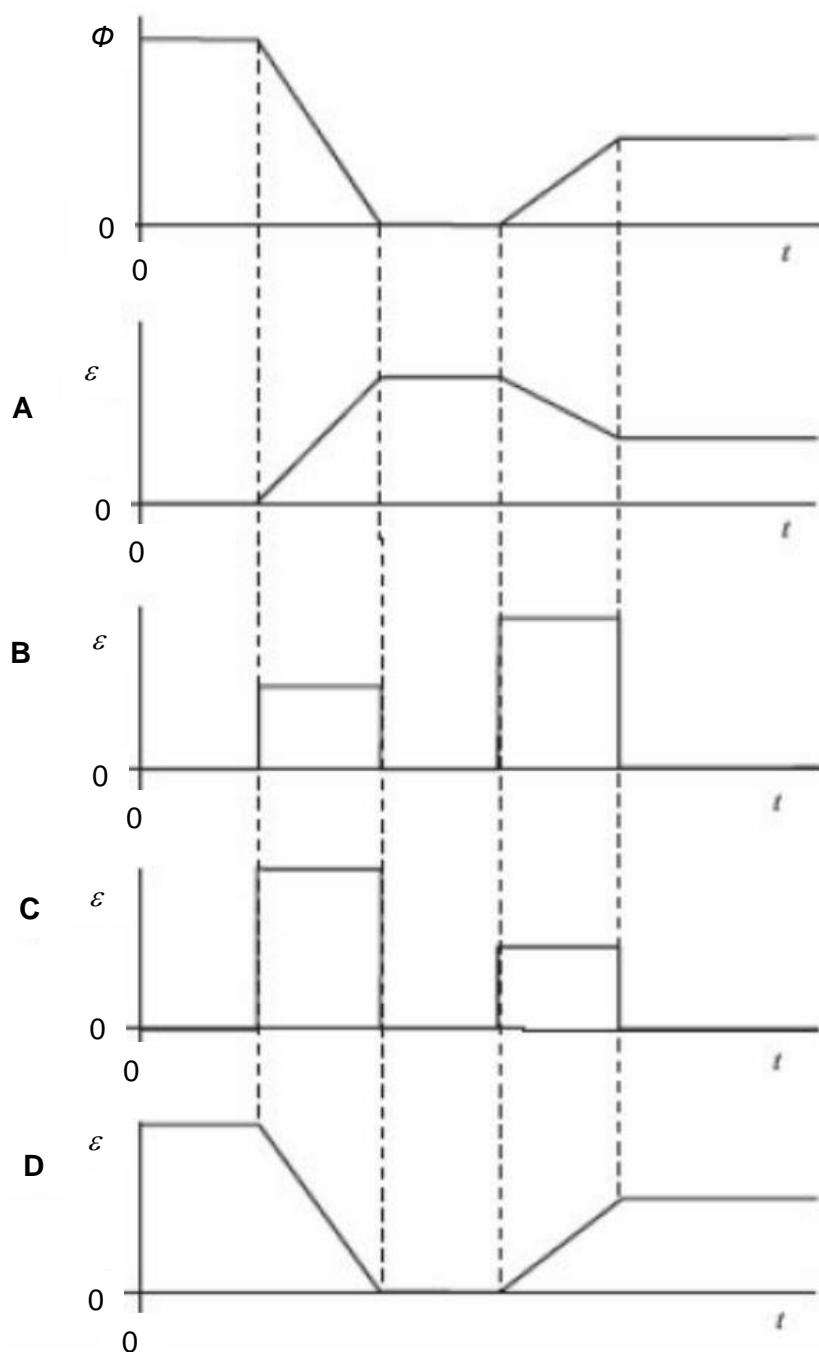


- 26** The magnetic flux,  $\Phi$ , through a coil varies with time,  $t$ , as shown by the first graph. Which one of the following graphs, best represents how the magnitude of the induced emf,  $\varepsilon$ , varies in this same period of time?



- 27** The circuit diagram shows a 12 V battery connected in series with a 1.0 ohm resistor, a 1.0 ohm variable resistor, and a 0.50 henry inductor in series. The switch is open.