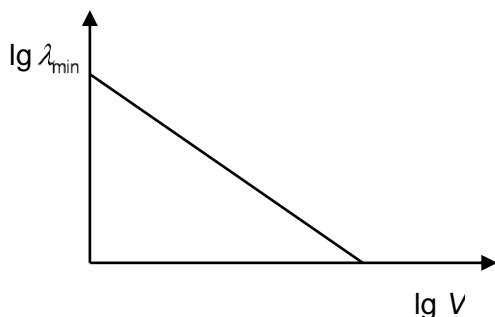


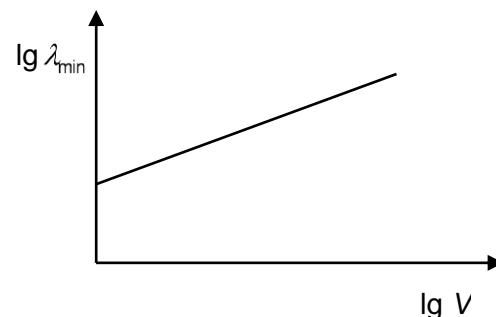
- 26 Electrons are accelerated from rest by a potential difference V . They bombard a metal target to produce X-rays. On the resulting X-ray spectrum, λ_{\min} is the shortest wavelength observed.

Which of the following shows the variation with $\lg V$ of $\lg \lambda_{\min}$?

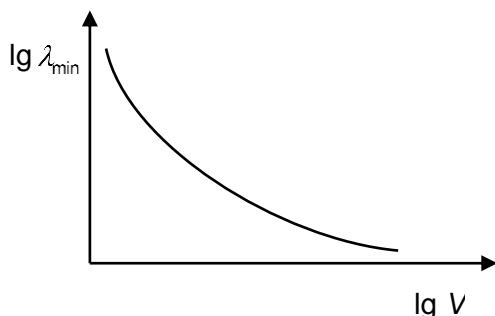
A



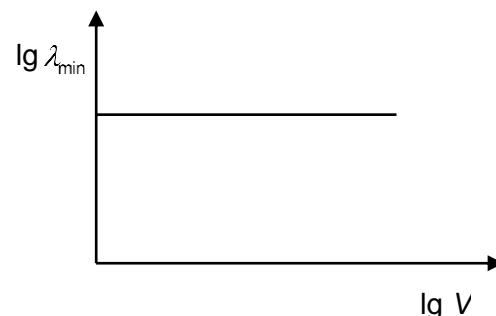
B



C



D



- 27 An electron moves with a constant velocity of $1.5 \times 10^6 \text{ m s}^{-1}$. It passes through a magnetic field