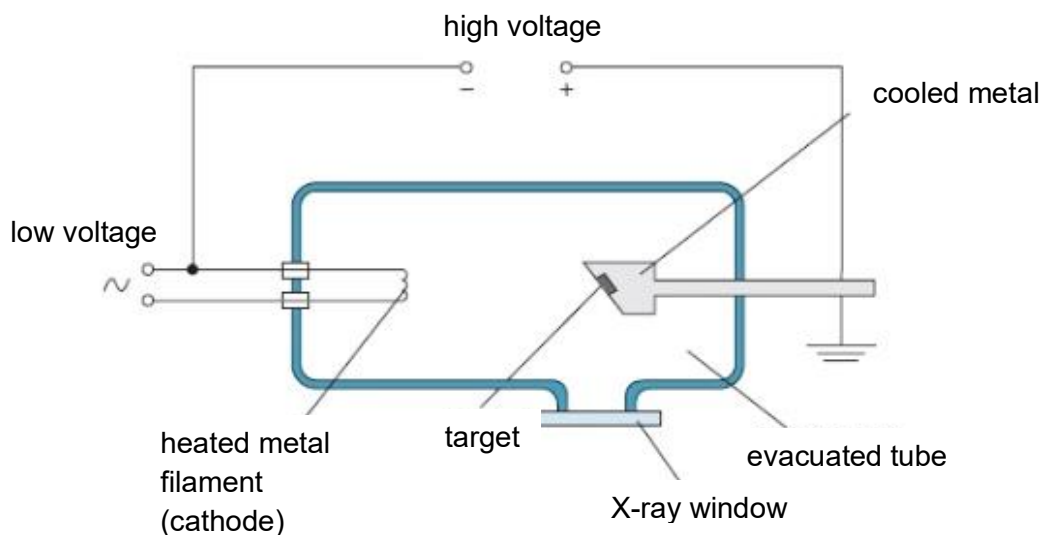
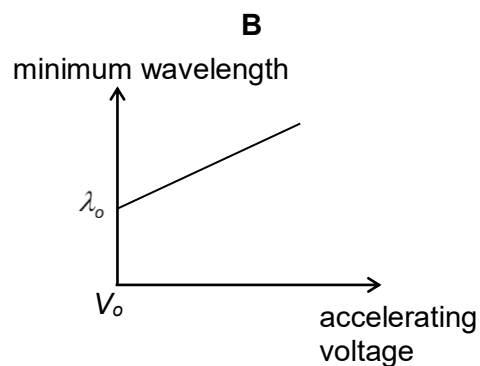
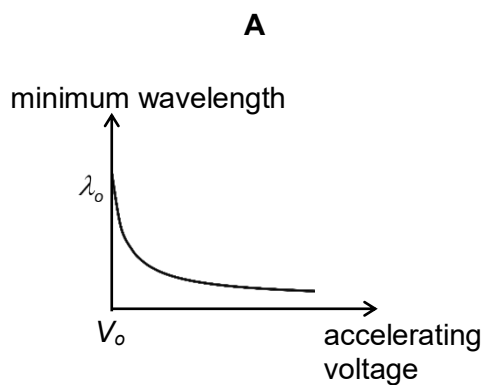


- 27 In an X-ray tube shown, the high voltage supply accelerates the electrons towards the target. X-rays with a range of wavelengths are emitted from the target.

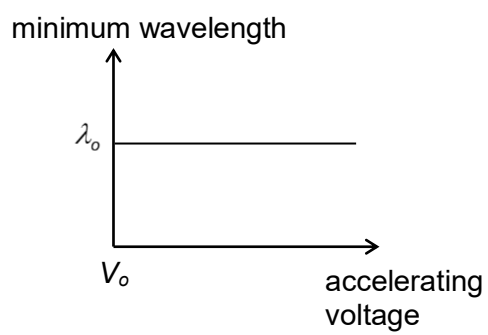


When the high voltage supply is  $V_0$ , the minimum wavelength of the x-ray emitted is  $\lambda_0$ .

Which of the following graph shows the variation with accelerating voltage of the minimum wavelength emitted?



**C**



**D**

