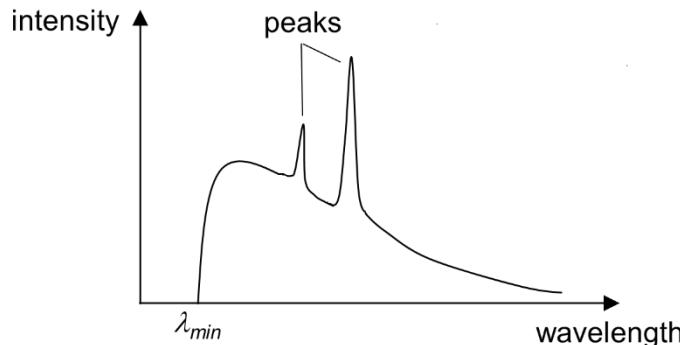


- 29 The following graph shows the spectrum of X-rays emitted from an X-ray tube.



If the potential difference between the target and cathode is decreased, which one of the following combinations represents a possible change in the minimum wavelength,  $\lambda_{min}$ , and the intensity of the peaks?

	Minimum Wavelength ( $\lambda_{min}$ )	Intensity
A	increase	decrease
B	increase	remain the same
C	decrease	decrease
D	decrease	remain the same

- 30 What is the decay constant of a radioactive substance?