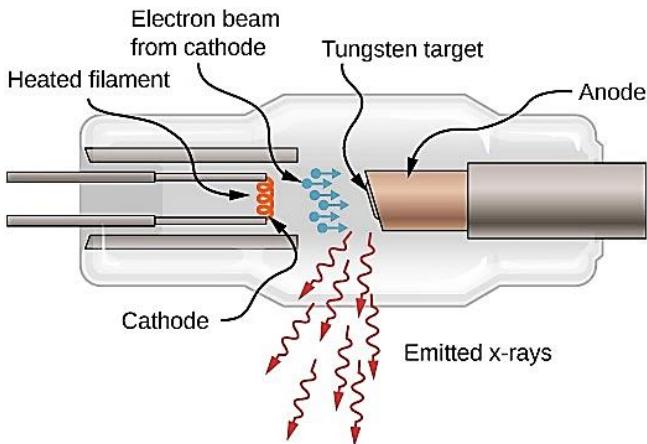
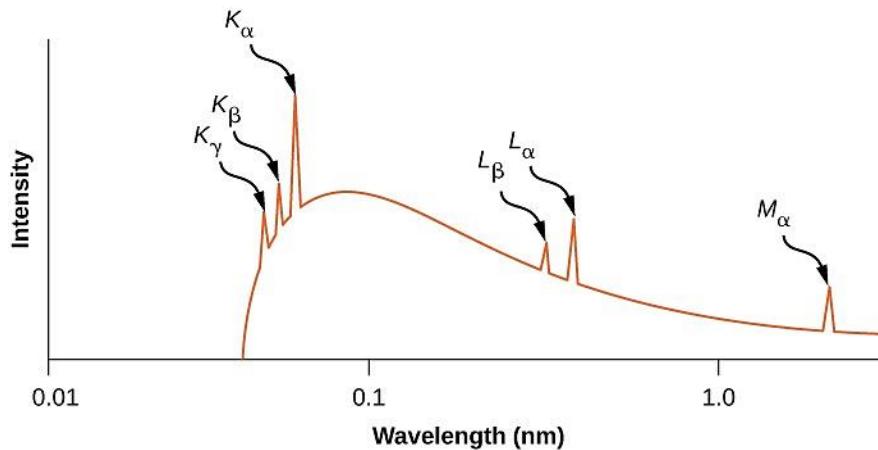


- 27 X-rays are produced when high speed electrons collide with a tungsten target as shown in the diagram below.



The graph below illustrates variation of wavelength with intensity of X-rays.



Which statement is **not** correct?

- A The cut-off wavelength corresponds to the least energetic photon released.
- B A continuous spectrum with a minimum wavelength is caused by the braking radiation.
- C X-ray photons are produced when the electrons in the outer shells transit to the inner shells.
- D The sharp characteristic peaks at well-defined wavelengths are caused by transitions of electrons between energy levels in the tungsten.