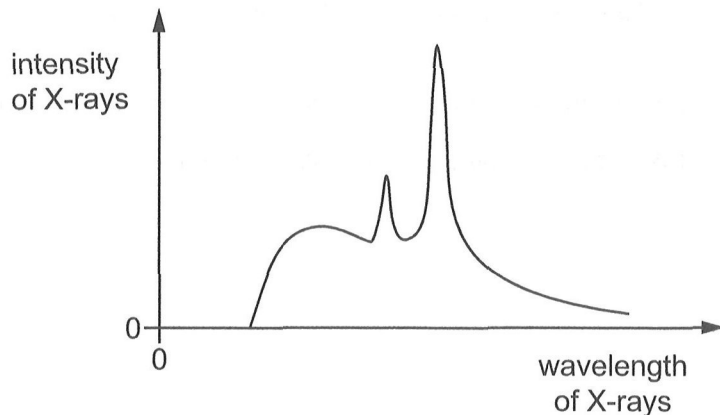


**28** X-rays are produced when high speed electrons collide with a metal target.

The graph illustrates how the intensity of X-rays varies with their wavelength when the target is molybdenum.



Which feature of the X-ray graph must change when the maximum speed of the electrons changes?

- A** maximum intensity
- B** maximum wavelength
- C** minimum wavelength
- D** number of spikes

**29** The Heisenberg position-momentum uncertainty principle is given by the relationship