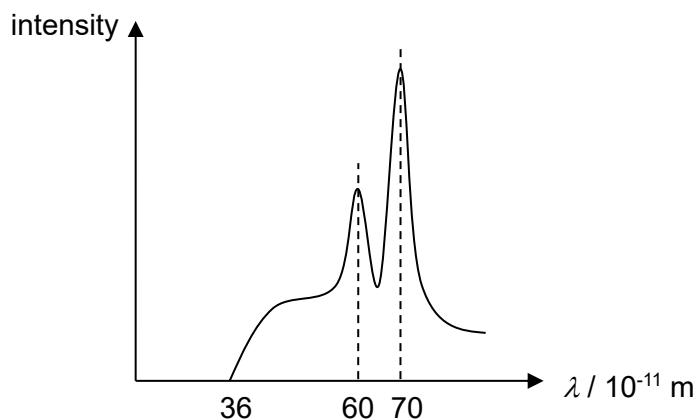


- 29** The x-ray spectrum of a metal target is shown in the figure below.



Which of the following statements is correct?

- A** The smallest wavelength detected, $36 \times 10^{-11} \text{ m}$, is dependent on the target material.
- B** The graph shows that electrons with a range of kinetic energies are used to bombard the target.
- C** The locations of the peaks can be used to identify the element that the target material is made of.
- D** The position of the peaks allow us to calculate the energy of the electrons used to bombard the target.