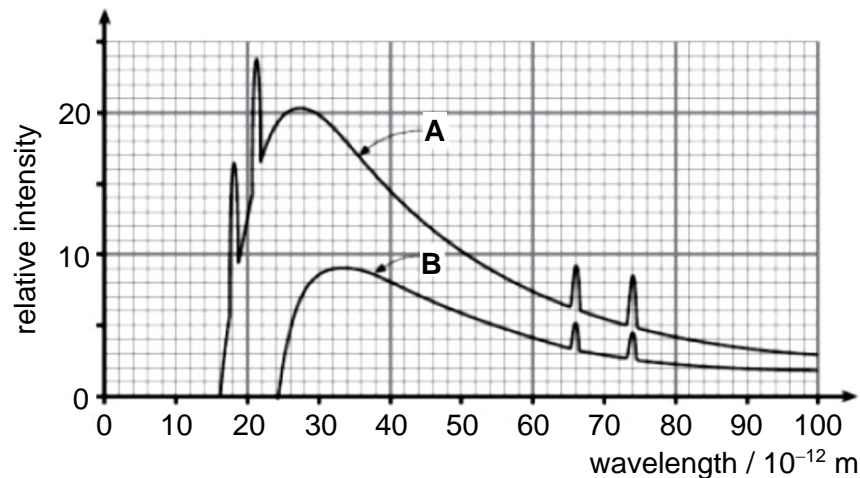


**28** The diagram shows two spectra of X-rays from an X-ray tube.



Which of the following statements is true?

- A** The accelerating potential to produce spectrum B is lower than that to produce spectrum A.
- B** A different target metal is used to produce spectra A and B as shown from the existence of additional peaks in spectrum A.
- C** With the same accelerating potential, the temperature of cathode used to produce spectrum A is higher than that to produce spectrum B as shown from the higher intensity of X-ray photons in spectrum A.
- D** The temperature of cathode used to produce spectrum A is higher than that to produce spectrum B as shown from the existence of additional peaks in spectrum A.