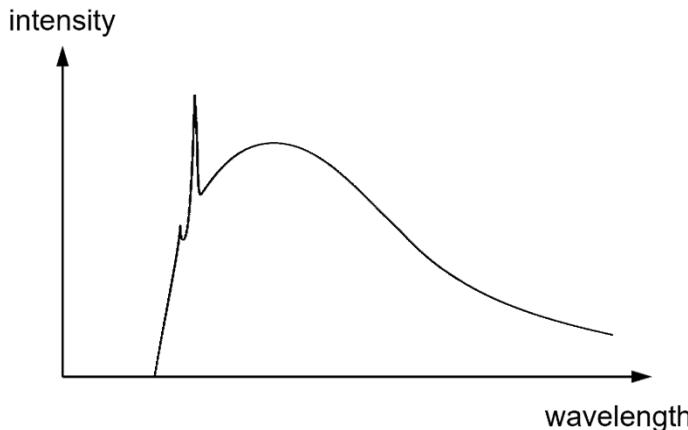


- 29 The diagram shows an X-ray spectrum produced when electrons strike a heavy metal target.



The potential difference through which electrons are accelerated from rest is now increased.

Which row describes the change in the spectrum?

	minimum X-ray wavelength	wavelengths of characteristic spectra
A	decreases	decreases
B	decreases	no change
C	increases	decreases
D	increases	no change

- 30 Which observation shows that a radioactive source emits **only**  $\alpha$  radiation?