

9. A student makes the following statements about the emitted radiation from stellar objects.
- I The peak wavelength of emitted radiation is longer for hotter objects than for cooler objects.
  - II A 'blue' star is likely to be hotter than a 'red' star.
  - III The radiation emitted per unit surface area per unit time is greater for hotter objects.

Which of these statements is/are correct?

- A I only
- B II only
- C III only
- D I and III only
- E II and III only