

7. A student makes the following statements about the radiation emitted by stellar objects.
- I Stellar objects emit radiation over a wide range of frequencies.
  - II The peak wavelength of radiation is longer for hotter objects than for cooler objects.
  - III At all frequencies, hotter objects emit more radiation per unit surface area per unit time than cooler objects.

Which of these statements is/are correct?

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