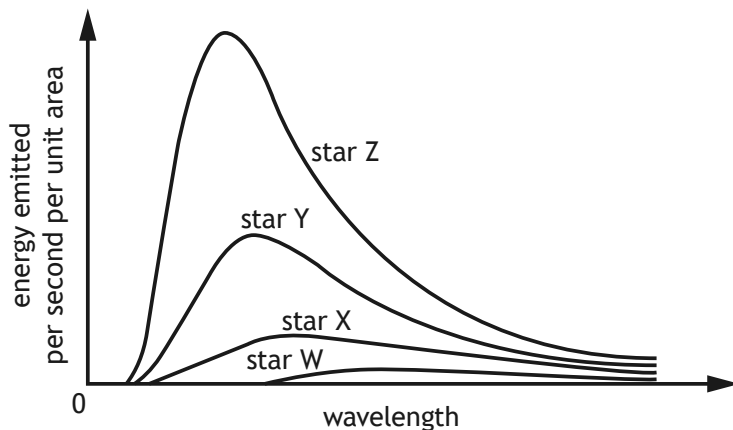


9. The graph shows how the energy emitted per second per unit area varies with the wavelength of the radiation for four stars W, X, Y, and Z.



A student makes the following statements based on the information shown in the graph:

- I Star Z is hotter than star W.
- II The peak frequency of radiation emitted is greatest for star W.
- III Star Y emits more energy per second per unit area than star X.

Which of the statements is/are correct?

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