

Solutions

Each answer shows the steps, then the **result**.

2.1

- it gets shorter

2.2

- a continuous spectrum

2.3

- it could not be explained by classical physics and led to the idea of energy quanta

3.1 B

3.2 B

3.3

(a)

- star B (blue-white)

(b)

- a shorter peak wavelength (bluer) means a higher temperature, by Wien's law