

Marks
3

- Calculate the energy (in J) and the wavelength (in nm) expected for an emission associated with an electronic transition from $n = 4$ to $n = 2$ in the Be^{3+} ion.

Energy:

Wavelength:

2

- What two properties do electrons in atoms have which lead to discrete energy levels? Explain your answer.

2

- What is the % transmission of a sample measured in an atomic absorption spectrometer to have an absorbance of 0.5?

	Answer:
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