

Exercise 2.32– Line spectra

Q232-01 Which phrase correctly completes the sentence. An atomic absorption spectrum shows up as ...

- A. A series of coloured lines on a dark background
 - B. A continuous band of different coloured light
 - C. A series of dark lines against a coloured spectrum
 - D. A pattern of dots on a white background
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Q232-02 When electrons in an atom in an excited state fall to lower energy levels, energy is:

- A. absorbed, only
 - B. released, only
 - C. neither released nor absorbed
 - D. both released and absorbed
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Q232-03 The energy of electromagnetic radiation is greater if:

- A. its wavelength is short and its frequency is high.
 - B. its wavelength is short and its frequency is low.
 - C. its wavelength is long and its frequency is low.
 - D. its wavelength is long and its frequency is high
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