

OCR (B) Chemistry A-Level

EL6 - Energy and Matter

Flashcards

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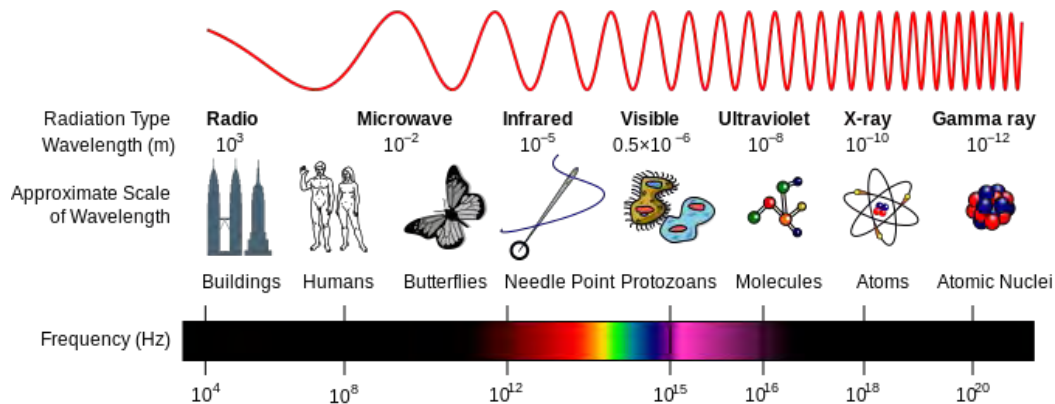


Place the following in order of decreasing frequency: Gamma Rays, X-Rays, Infra red, Microwaves.



Place the following in order of decreasing frequency:
Infra red, X-Rays, Microwaves, Gamma Rays.

1. Gamma Rays
2. X-Rays
3. Infra red
4. Microwaves



What is the relationship between the energy emitted and the frequency of the line in the spectra?



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$$\Delta E = h\nu$$



What is the relationship between the wavelength of electromagnetic waves and their frequency?



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$$c = v\lambda$$



Which ions show which colours in the flame test?



Which ions show which colours in the flame test?

Ion	Flame colour
Na ⁺	Orange
Ca ⁺	Brick red
Li ⁺	Red
K ⁺	Lilac
Ba ²⁺	Green
Cu ²⁺	Blue-Green

