

Electromagnetic Spectrum

Question Paper

Course	CIE IGCSE Physics
Section	3. Waves
Topic	Electromagnetic Spectrum
Difficulty	Easy

Time Allowed 10

Score /5

Percentage /100

Question 1

The table below shows the entire electromagnetic spectrum. It runs in order of increasing frequency.

Three parts of the spectrum are missing.

radio waves	X	infrared	visible light	Y	x-rays	Z
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What are parts **X**, **Y** and **Z**?

	X	Y	Z
A	ultraviolet	microwaves	gamma rays
B	microwaves	gamma rays	microwaves
C	gamma rays	ultraviolet	microwaves
D	microwaves	ultraviolet	gamma rays

[1 mark]

Question 2

The table below shows the entire electromagnetic spectrum. It runs in order of increasing wavelength.

Which region is microwaves?


γ-rays	A	B	C	infrared	D	radio waves
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[1 mark]

Question 3

The electromagnetic spectrum is shown in the table below.

γ-rays	x-rays	ultraviolet	visible light	infrared	microwaves	radio waves
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Decreasing 

Which word is missing from the box below the electromagnetic spectrum?

- A. Wavelength
- B. Speed
- C. Frequency
- D. Amplitude

[1 mark]

Question 4

Which list shows the parts of the electromagnetic spectrum in order of decreasing wavelength?

- A. γ-rays, X-rays, infrared
- B. Radio waves, ultraviolet, microwaves
- C. Microwaves, infrared, visible light
- D. Ultraviolet, visible light, infrared

[1 mark]

Question 5

Which of the following groups contains only electromagnetic waves?

- A.** Sound waves, γ -rays, X-rays.
- B.** γ -rays, microwaves, sound waves.
- C.** Radio waves, infrared waves, γ -rays.
- D.** Radio waves, sound waves, microwaves.

[1 mark]