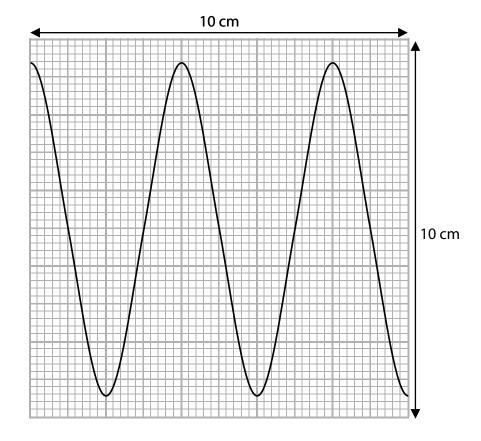
- 4 This question is about waves.
  - (a) The diagram shows a wave.



(i) What is the wavelength of the wave?

(1)

- A 4.0 cm
- B 4.4 cm
- **D** 8.8 cm
- (ii) What is the amplitude of the wave?

(1)

- A 4.0 cm
- B 4.4 cm

(b) The diagram shows the types of radiation in the electromag	gnetic spectrum
--	-----------------

radio waves	microwaves	infrared	visible light	ultraviolet	x-rays	gamma rays
----------------	------------	----------	------------------	-------------	--------	---------------

(i) Which of the following statements about electromagnetic waves is correct?

(1)

- A they all have the same amplitude
- **B** they all have the same frequency
- C they all have the same speed in free space
- **D** they all have the same wavelength
- (ii) Electromagnetic waves have many different uses.

Explain the uses of **three** different radiations in the electromagnetic spectrum.

(6)

1	 				
Use	 				
2	 				
Use	 				
3	 				
Use	 				
		(Ta	stal for Ouestie	n 1 – 0 marke	-1