

**Answer ALL questions.**

**1** This question is about parts of the electromagnetic spectrum.

radio waves	<b>A</b>	infrared	visible light	ultraviolet	<b>B</b>	gamma rays
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(a) The names of two parts of the electromagnetic spectrum are missing.

Complete the table with the names of the missing parts.

(2)

	Name
<b>A</b>	
<b>B</b>	

(b) The Sun emits different types of electromagnetic waves.

(i) Which of these is the same for all the waves?

(1)

- ☐ **A** amplitude
- ☐ **B** frequency
- ☐ **C** speed
- ☐ **D** wavelength

(ii) Which type of electromagnetic wave causes sunburn and snow blindness?

(1)

- ☐ **A** gamma rays
- ☐ **B** infrared
- ☐ **C** radio waves
- ☐ **D** ultraviolet

**(Total for Question 1 = 4 marks)**

