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**Answer ALL questions.**

- 1** The Sun emits visible light, infrared and ultraviolet that travel through space and reach the surface of the Earth.

(a) State two similarities between visible light, infrared and ultraviolet.

(2)

1 .....

2 .....

(b) Too much exposure to infrared and ultraviolet can cause damage to the human body.

State the damage that each can cause.

(2)

infrared .....

.....

ultraviolet .....

.....

(c) Seven colours can be seen in the visible light spectrum.

Which colour has the longest wavelength?

(1)

.....

**(Total for Question 1 = 5 marks)**

