

GCSE Physics A (Gateway)

J249/02 Physics A P5-P8 and P9 (Foundation Tier)

Question Set 12

1 A student looks at two identical metal spoons, **A** and **B**.

Spoon **A** was placed in hot water at 70 °C.

Spoon **B** is at 20 °C.

(a) Explain how a convex lens can correct long-sighted vision.

Which spoon emits the most radiation?

Tick (\checkmark) one box

Spoon A	
Spoon B	

Explain your answer.

(b) Explain why both spoons look identical to the student, even though they are at different temperatures.

[1]

[1]

Total Marks for Question Set 12: 2



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