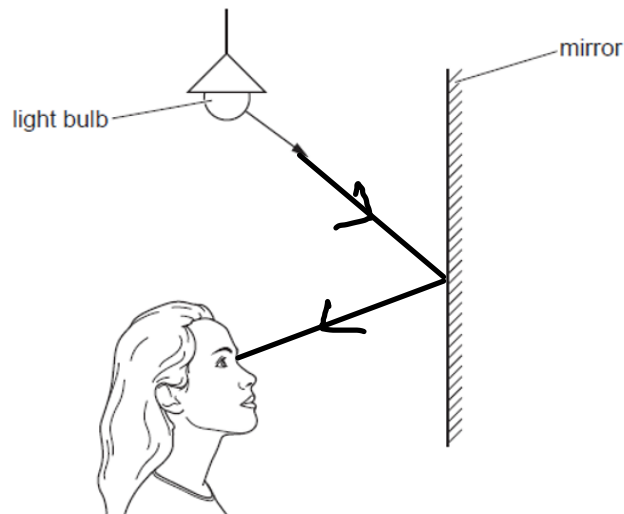


GCSE Physics B (Twenty First Century Science)
J259/01 Breadth in Physics (Foundation Tier)

Question Set 6

1 Jane sees the reflection of the light bulb in her bathroom mirror.

(a) Complete the diagram to show the path taken by the reflected light.



[2]

(b) Jane fills the bath with hot water. The mirror 'steams-up' and is now covered in tiny drops of water. This makes the surface of the mirror look white.

(i) Jane says, 'The water on the mirror came from the bath'.

Explain how this happened.

The hot water evaporates from the bath and when it hits the colder mirror it condenses into water droplets

[2]

(ii) Explain why the water droplets covering the mirror make it look white.

Light travelling through water bends so the view is distorted creating a white foggy appearance

Total Marks for Question Set 6: 6

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