

7	<p>C is the correct answer as the path difference of 12cm is half the wavelength, causing destructive interference (no heating).</p> <p>A is not the correct answer as the path difference of 12cm would only cause maximum heating if it was a multiple of the wavelength</p> <p>B is not the correct answer as the path difference of 12cm would only cause maximum heating if it was a multiple of the wavelength.</p> <p>D is not the correct answer as the path difference of 12cm would only cause no heating if it was an odd half multiple of the wavelength.</p>	(1)
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