





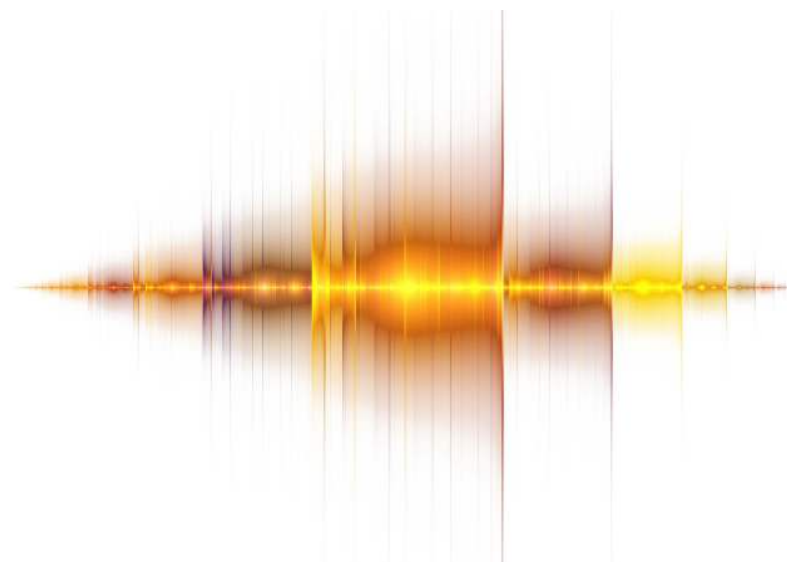
Interactive

Interactive Example Candidate Responses

Paper 3 (May / June 2016), Question 12

Cambridge IGCSE™

Physics 0625



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Your
Mark

12(a)

12(b)

12(c)

Q12	Mark scheme
(a)	idea of paper between source and detector OR measuring range (in air) OR pass through an electric or magnetic field alpha stopped by paper OR larger range in air for beta OR identify deflection when in field
(b)	any two from: • gamma travel at the speed of light • gamma rays have no charge • gamma rays have no mass • gamma is a wave OR part of the electromagnetic spectrum • gamma less ionising • greater penetration • not deflected by electric or magnetic fields
(c)	damages cells/tissues/DNA OR causes (cell) mutations OR <u>radiation sickness</u>

Your
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12(a)

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