TEST2-AQA-8464P2H-QP-JUN25 - Student Feedback (Peer Learn)

Student: Test User

Overall Score: 39/70 (55.7%)
Grade: 7-7
Grade boundaries: Grade boundaries 2024-26 · AQA · Higher
Assessment Tier: Higher

AI Study Review
Scan this QR code to load your full exam data into an AI chatbot (ChatGPT, Claude, or Gemini) for personalised revision help.

These are the questions **you personally** lost the most marks on across the whole paper — they are unique to you. For each one, a classmate who did well is named so you can go and learn from them. Copy their method into the green-pen box in your own words, then tick it off once you have spoken to them.

Q3.4 — Go to Test User for help

You: 0/4

Question

A wave of visible light has a frequency of 6.25 × 10^{14} Hz. speed of light = 3.00 × 10^{8} m/s. Calculate the wavelength of this light. Use the Physics Equations Sheet. Give your answer in nanometres (nm).

Your answer (0/4)

$wavespeed = frequency \times wavelength$
$1m = 1000nm$
$3.00 \times 10^{8} m/s = 300,000,000 \times 1000 =$
3×10^{11}
[scribbled out (3×10^{11})] $3 \times 10^{11} \div 6.25 \times 10^{14} = 0.00048$
Wavelength = 0.00048 nm
ws 6.25×10^{14} [scribbled out (m)]
3000
8 w

Your model answer

Write it in green pen

Action — ask Test User:

Go to Test User to discuss how they entered standard form values on their calculator to find the wavelength in metres, and work together to figure out how to convert that value into nanometres (text{nm}).

Team Catalyst — revise this one together: you, Test User, Test User, Test User, Test User, Test User. Go to Test User as a group.

Tick when completed: ☐ I asked Test User for help ☐ Test User helped me learn and improve