

Q1 - Answer = C

Q2 - Problem A - Last name A-K

ound has a velocity of 330 m/s. What is the wavelength of sound whose frequency is 256 Hz?

Q1 - Answer = C

Q2 - Problem B - Last Name L-Z

Light travels at 3×10^8 m/s. What is the frequency of red light with wavelength 623 nm (623×10^{-9} m)?

- A. 2.0×10^{17} Hz $f = v/\lambda = 3 \times 10^8 / 6.23 \times 10^{-7}$
- B. 1.5×10^{14} Hz $= 4.8 \times 10^{14}$ Hz
- C. 9.6×10^{14} Hz
- D. 4.8 x 10¹⁴Hz**
- E. 2.1×10^{19} Hz