

# Physics 231 - 24-Nov-99



- | Announcements
- | Simple Harmonic Motion
  - | Pendulum
- | Wave Motion
- | Quiz

# Simple Harmonic Motion



## ■ Pendulum

# Wave Motion



9-Nov-99

Q1 - Answer = c

Q2 - Problem A - Last name A-K

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

- A. 0.8
- B. 1.3 m
- C. 2.4 m
- D. 4.1 m
- E. 3.1 m

Q1 - Answer = c

Q2 - Problem B - Last Name L-Z

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

A.  $2.0 \times 10^{17}$  Hz

B.  $1.5 \times 10^{14}$  Hz

C.  $9.6 \times 10^{14}$  Hz

D.  $4.8 \times 10^{14}$  Hz

E.  $2.1 \times 10^{19}$  Hz