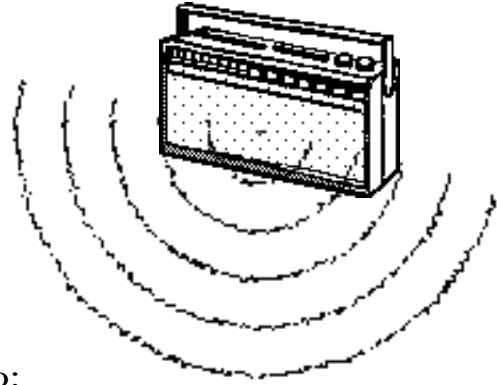


Sound Study Guide



OBJECTIVES

By the end of this unit you should be able to:

1. Conduct experiments to determine the properties of sound.

2. Apply wave concepts to explain the properties of sound:

Transverse Waves

Longitudinal Waves

Polarization

Interference

Doppler Effect

Nature of Sound in Air

Media That Transmit Sound

Speed of Sound

Reflection of Sound

Refraction of Sound

Energy in Sound Waves (decibel)

Forced Vibrations

Natural Frequency

Resonance

Interference

Beats

Radio Broadcasts

Assignments

READING

Chapter 13: pages 479 through 506.

QUESTIONS & PROBLEMS

pg. 486 pr. 1, 3, 4 pg. 493 pr. 1, 3 pg. 499 pr. 1, 4 pg 503 pr. 3, 5

pg. 507 pr. 3, 5, 6, 7, 10, 20, 26, 29, 30, 34, 43a, 45, 47a