1) Oscillations
   A) Simple Harmonic Motion
   B) Mass on a Spring
   C) Simple Pendulum
   D) Damped Harmonic Motion (not covered)
   E) Damped, Driven Harmonic Motion (not covered)
   F) Resonance (not covered)

2) Traveling Waves
   A) Transverse vs. Longitudinal
   B) The Characteristic Equation of a Wave
   C) Wave Functions
   D) Intensity vs. Intensity Level
   E) The Doppler Effect

3) Superposition
   A) Standing Waves
   B) Musical Instruments
   C) Spatial Interference
   D) Time-Like Interference (Beats)

4) Wave Optics
   A) Snell's Laws of Diffraction
   B) Huygens' Principle
   C) Diffraction