

Unit 10: Waves and Sound

Think Sheets

Vibrations (2 pages)
Waves (2 pages)
Wave Properties (2 pages)
Wave Speed (2 pages)
Wave Behavior (2 pages)
Standing Wave Mathematics (2 pages)
Sound Waves (2 pages)
Decibel Scale (2 pages)
Standing Waves in Strings (2 pages)
Open-End Air Columns (2 pages)
Closed-End Air Columns (2 pages)

(Each Think Sheet has a corresponding answer key)

Student Lab Sheets

Pendulum Paint Activity
A Wiggle in Time and Space
Speed of a Wave
Tuning Fork Frequency
Natural Frequency and Standing Waves
Closed End Air Columns

(Each Student Lab Sheet has a corresponding Teachers Guide with answers)

BONUS:

Slide Deck
ProblemSolvingScheme.docx (Graphic Organizer)
SoundRdgAnswers.docx (Reading Passage)
SoundReadingPassage.docx (Answer Key)
StandingWaveSummary.docx (Review Exercise)
StandingWaveSummaryAnswers.docx (Answer Key)
StWaveAnalysis1.docx (Think Sheet)
StWaveAnalysis1Answers.docx (Answer Key)
StWaveAnalysis2.docx (Think Sheet)
StWaveAnalysis2Answers.docx (Answer Key)
TimbreActivity.docx (Data Analysis Activity)

TimbreActivityAnswers.docx (Answer Key)

TuningForkLab (.png of a Graph for a Lab)

WavesSpeedRdgAnswers.docx (Answer Key)

WavesSpeedReadingPasage.docx (Reading Passage)