

# 15

## Study Guide

Use with Chapter 15.

### Sound

#### Vocabulary Review

Write the term that correctly completes each statement. Use each term once.

- |            |               |          |             |
|------------|---------------|----------|-------------|
| beat       | dissonance    | harmonic | sound level |
| consonance | Doppler shift | octave   | timbre      |
| decibel    | fundamental   | pitch    |             |

1. \_\_\_\_\_ The amplitude of sound, as measured on a logarithmic scale, is called \_\_\_\_\_.
2. \_\_\_\_\_ Any higher frequency that is a multiple of the fundamental frequency is a(n) \_\_\_\_\_.
3. \_\_\_\_\_ An oscillation of wave amplitude caused by the sounding of two nearly identical frequencies is called a(n) \_\_\_\_\_.
4. \_\_\_\_\_ A unit used to measure sound level is the \_\_\_\_\_.
5. \_\_\_\_\_ A jarring combination of pitches is called \_\_\_\_\_.
6. \_\_\_\_\_ Two frequencies in a 1:2 ratio differ by a(n) \_\_\_\_\_.
7. \_\_\_\_\_ The lowest frequency that will resonate in a pipe is the \_\_\_\_\_.
8. \_\_\_\_\_ The apparent change in pitch caused by the motion of a sound source is called the \_\_\_\_\_.
9. \_\_\_\_\_ The apparent highness or lowness of a note, associated with frequency of vibration is called \_\_\_\_\_.
10. \_\_\_\_\_ Tone color or tone quality is called \_\_\_\_\_.
11. \_\_\_\_\_ A pleasant combination of pitches is called \_\_\_\_\_.

# Chapter 15 Study Guide Physics

**Raymond A. Serway**



## Chapter 15 Study Guide Physics:

**Study Guide to Accompany University Physics** Harris Benson,1991 *Fundamentals of Physics, Study Guide* Stanley A. Williams,Kenneth Brownstein,Thomas Marcella,1988-10-18 This third edition of the famous introductory physics text has been thoroughly revised and updated The new edition contains two entirely new chapters Relativity as the concluding chapter of the regular version and Particles and the Cosmos as the concluding chapter of the extended version New also are 16 essays distributed throughout the text on applications of physics to real world topics of student interest Each essay is self contained and is written by an expert in the topic The body of the text contains more help in problem solving and the chapter sections are shorter making the material more accessible There are more photos and diagrams than before including attention getting chapter head photos and captions The number of worked examples has been increased as has the number of questions exercises and problems In addition a thread of ideas from relativistic and quantum physics is weaved through the earlier chapters preparing the way for the later chapters

**Study Guide to Accompany Physics, for Scientists and Engineers** Raymond A. Serway,1982 This is a custom text designed specifically for PHYS 2425 2426 at Brookhaven College

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