Chapter 17 Practice Questions

PHY131H1F Fall 2024

The Questions and Problems Below are for students who wish to do some *extra practice work*. They are **fully and completely optional,** and are NOT worth any marks.

Most questions are end-of-chapter “Questions” or “Problems” from “College Physics 2e”, by Urone and Hinrichs, ©2022 by Rice University, where the first number is the chapter, and the decimal is either the Conceptual Question number with a Q in front, or the Problem & Exercises number with a P in front. For example, if it says “CP2e OpenStax Q3.16”, it means Chapter 3, Conceptual Question 16. If it says “CP2e OpenStax P10.45”, it means Chapter 10, Problem & Exercise number 45.

The following **Problems and Exercises** can be found at https://openstax.org/books/college-physics-2e/pages/17-problems-exercises

Question 1. CP2e OpenStax P17.2

What frequency sound has a 0.10-m wavelength when the speed of sound is 340 m/s?

Question 2. CP2e OpenStax P17.3

Calculate the speed of sound on a day when a 1500 Hz frequency has a wavelength of