

Physics Study Guide – Exam 1

Chapter 1: The Basics

1. Is the x-axis horizontal or vertical? The y-axis?
 - a. X = horizontal, Y = vertical
2. When one variable increases and the other decreases is it a direct or inverse relationship?
 - a. Inverse
3. Two variables that increase demonstrate what type of relationship?
 - a. Directly related or directly proportional
4. Define a reciprocal relationship.
 - a. When two numbers equal 1 when multiplied together
5. What is the reciprocal of 20?
 - a. $1/20$
6. A number in scientific notation form with an exponent of zero has a value of?
 - a. Between 1 and 10
7. What is the complementary metric unit for the following?
 - a. Giga
 - i. nano
 - b. Deca
 - i. Deci
 - c. Milli
 - i. Kilo
 - d. Mega
 - i. micro
 - e. Centi
 - i. Hecto

Ch. 2: Sound

1. In diagnostic ultrasound, sound pulses created by a transducer travel through biologic tissue, or _____
 - a. Media
2. What do waves transfer from one location to another?

Ch 25 Physics Study Guide

Kerry Kuehn



Ch 25 Physics Study Guide:

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