

Physical Science Chapter 1 Test Study Guide

The test will consist of the following item types:

- 7 Modified True/False (Correction of False statements required)
- 5 Fill-in-the-blank (including a word bank with extra terms)
- 9 Short Answer (1 or two sentences each)
- 3 Dimensional Analysis Problems
- 2 Paragraph Essay Items (Students may choose 2 from a list of 4 items)
-

The following concepts and skills will be covered on the test (not in this order)

- Dimensional Analysis: Solving word problems (See the [Sept. 9 Blackboard Post](#))
- Energy: Characteristics
- Energy: Definition/Description
- Energy: Devices or things that can transform energy (e.g. Human Body)
- Energy: Source of energy for life on Earth
- Energy: Types of energy transformations (e.g. chemical to mechanical)
- Energy: Ways to add energy to objects
- Force: Examples of forces
- Force: What it does
- Length: Estimating metric lengths of various objects
- Mass: Definition/Description
- Mass: Estimating metric masses of various objects
- Matter: Number of Elements that make up most matter
- Measurement: Metric prefixes
- Phases of Matter: Causes of changes in phases
- Phases of Matter: Evidence that a gas (e.g. air) is matter
- Phases of Matter: Examples
- Phases of Matter: Molecules of water in different phases
- Phases of Matter: Definition/Description
- Physical Science: Applications to other areas of science
- Scientific Observation: Importance of including units in measurements
- Scientific Observation: Measureable characteristics of the natural world

Tips for Studying

- Record a page number where the information for each concept or skill can be found.
- Write out your "answer" for each concept above in your own words
- Complete the Dimensional Analysis problems on your own before you check the answers.
- Have a family member or friend quiz you on these concepts.

Physical Science Chapter 1 Test

Talal A. Debs, Michael L. G. Redhead



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