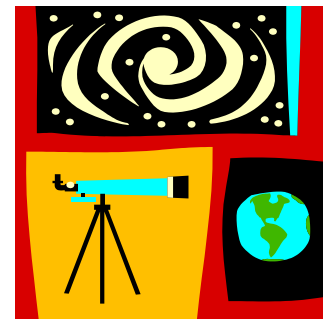


Chapter One The Nature of Science Test Objectives



1. Identify what steps scientists often use to solve problems.
2. Describe why scientists use variables.
3. Name the prefixes used in SI and indicate what multiple of ten each one represents. (stair method will also work)
4. Distinguish the difference between scientific law and scientific theory (textbook).
5. Identify SI base units and symbols for length, volume, mass, density, time and temperature.
6. Convert related SI units including temperature conversions.
7. Identify three types of graphs and explain the ways they are used.
8. Distinguish between independent and dependent variables.
9. Analyze data using the various types of graphs.
10. Describe the difference between accuracy (%error) and precision (average absolute deviation).

When reviewing for the test please look at:

- a. Review chapter one study guide
- b. Reviewing main ideas section on pg 31 of textbook
- c. All worksheets
- d. Notes in your notebook
- e. Chapter Review Questions 1-19 and 27-29 on page 32-33
- f. Standardized Test Practice pages 34-35 questions 1-8

Day of the Test:

- a. You will need a calculator, pencil, reference sheets and something to do after the test (Hint: AR Books).