Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_\_\_\_ Page #\_\_\_\_\_\_\_

**Skills Unit Test - Study Guide**

**Metric Conversions: use sheets 7 (table), 8, 9, and 15 (back)**

1000 m = \_\_\_\_\_1\_\_\_\_\_\_\_ km 3566.7 dg = \_\_\_\_\_3.5667\_\_\_\_\_\_\_\_ hg

3.4 kg = \_\_\_\_\_\_\_340,000\_\_\_\_\_\_\_\_\_ cm 800 mL = \_\_\_\_\_\_.000800\_\_\_\_\_\_\_ kL

**Scientific Notation: use sheets 10, 11, 12, 13, and 15 (front)**

0.000987 = \_\_\_\_9.87\_\_\_\_\_\_x 10-4 1,230,000 = \_\_\_\_1.23\_\_\_\_\_\_ x 106

6.78 x 107 = \_\_\_\_\_67,800,000\_\_\_\_\_\_\_\_ 3.45 x 10-5 = \_\_\_.0000345\_\_\_\_\_\_\_\_

**Accuracy vs Precision: use sheet 14 (top)**

Accuracy- how close a measured value is to the actual (true) value

Precision-how close the measured values are to each other

**Vocabulary: use sheet 16**

Know definitions and pictures related to each word and definition

**Geology:** the science that examines Earth, its composition, and the changes it has undergone and is undergoing

**Hydrosphere**: the water portion of the earth

**Astronomy:** the scientific study of the universe

**Oceanography:** the scientific study of the oceans and oceanic phenomena

**Meteorology:** the scientific study of the atmosphere/atmospheric phenomena, the study of weather & climate

**Atmosphere:** the gaseous portion of the planet

**Plate Tectonics:** the theory that proposes that Earth’s outer shell consists of individual plates that interact in various ways and thereby produces earthquakes, volcanoes, mountains, and the crust itself.

**Geosphere:** Layer of the earth under both the atmosphere and the oceans; it is composed of the core, mantle, and crust.

**Scientific Method: use sheets 17, 18, 19, 20, and 21**

**Definition of…(use 17)**

Hypothesis-testable statement predicting outcome and reason for that outcome in an experiment

Independent variable-the thing you change on purpose

Dependent Variable-the things that change because of what you changed

Constants-all the unchanging parts of an experiment

Results-recorded observations and evidence

Conclusion-inference into what your observations/results mean

**Write a Hypothesis…(use 19 and 20)**

If…(action)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Then (result) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Because (reason)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Identify IV, DV, constants and controls…(use 20 and 21)**

**Interpret a graph…(20 – pages 4 and 5)**