

Name: \_\_\_\_\_

# Chemistry Chapter 3 Vocabulary Crossword Puzzle

Complete the crossword puzzle below.

The crossword puzzle grid consists of 17 numbered starting points for words:

- 1: Down, 10 cells
- 2: Across, 8 cells
- 3: Down, 8 cells
- 4: Down, 8 cells
- 5: Down, 8 cells
- 6: Across, 5 cells
- 7: Down, 4 cells
- 8: Down, 5 cells
- 9: Across, 5 cells
- 10: Down, 5 cells
- 11: Down, 8 cells
- 12: Across, 10 cells
- 13: Down, 8 cells
- 14: Down, 5 cells
- 15: Down, 5 cells
- 16: Down, 3 cells
- 17: Across, 12 cells

## **Across**

- 2.** a measure of how close a measurement comes to the actual or true value
- 6.** a force that measures the pull on a given mass by gravity
- 9.** the capacity to do work or to produce heat
- 12.** the value measured in the lab
- 17.** a number that is written as the product of two numbers: a coefficient and 10 raised to a power

## **Down**

- 1.** a ratio of equivalent measurements
- 2.** the correct value
- 3.** the lowest temperature possible
- 4.** a way to analyze and solve problems using the units of the measurement
- 5.** a measurement that includes all of the digits that are known, plus a last digit that is estimated
- 7.** the difference between the experimental value and the accepted value
- 8.** a quantity that has both a number and a unit
- 10.** a measure of the average kinetic energy of the particles in a substance
- 11.** the absolute value of the error divided by the accepted value, multiplied by 100%
- 13.** a measure of how close a series of measurements are to one another
- 14.** the ratio of the mass of an object to its volume
- 15.** a revised version of the metric system that is used by scientists
- 16.** the amount of matter that an object contains