

# Physical Science Study Guide

## Chapter 3 – Measurements

1. Study any Quizlets made for Chapter 3.
2. Add, subtract, multiply, and divide using the correct significant digits and precision.
3. Be able to convert numbers to scientific notation while preserving significant digits.
4. Be able to determine how many significant digits are in a number.
5. Convert quantities to different units, using correct significant digits.
6. List the significant digit rules.
7. Read measurements from different instruments and record answer using correct significant digits.
8. What are possible sources of error when measuring?
9. What is the formula for density?
10. What is the formula for volume of cylinder?
11. Why do scientists average measurements?
12. Know/Apply the following terms:
  - accuracy
  - gravity
  - kilogram
  - measured data
  - meniscus
  - metric system
  - precision
  - qualitative data
  - quantitative data
  - repeatability
  - volume
  - weight