

## CHAPTER OVERVIEW

### 2: Measurement and Problem Solving

Chemistry, like all sciences, is quantitative. It concerns quantities, things that have amounts and units. Dealing with quantities and relating them to one another is very important in chemistry. In this chapter, we will discuss how we deal with numbers and units, including how they are combined and manipulated.

[2.1: Taking Measurements](#)

[2.2: Scientific Notation - Writing Large and Small Numbers](#)

[2.3: Significant Figures - Writing Numbers to Reflect Precision](#)

[2.4: Significant Figures in Calculations](#)

[2.5: The Basic Units of Measurement](#)

[2.6: Problem Solving and Unit Conversions](#)

[2.7: Solving Multi-step Conversion Problems](#)

[2.8: Units Raised to a Power](#)

[2.9: Density](#)

[2.E: Measurement and Problem Solving \(Exercises\)](#)

---

[2: Measurement and Problem Solving](#) is shared under a [CK-12](#) license and was authored, remixed, and/or curated by Marisa Alviar-Agnew & Henry Agnew.