WEEK #1

Class Meetings:

Thursday August 24. Reading for class Sections 1.1-1.5. Exercise (built on Consider This: 1.1) on “Take a breath”. Topics discussed today include composition of air, typical units (%, ppm and pph), scientific notation and significant figures, our atmosphere (including pressure, volume and temperature of gases)

Tuesday, August 29. Reading for class Sections 1.6-1.10. Bring to class your exercise on “Know Your Element” (built on Consider This 1.10) Exercise: properties and reactivity of gases. Topics include elements, atoms, molecules, names, formulas and reactions.

Thursday, August 31. Reading for class Section 1.11-1.15. Bring to class exercise on “Know your air quality” (adapted from Consider This 1.21). Topics include air pollution and air quality, molecular view of gases.

Assignments

**Reading**: Chapter 1 Chemistry in Context

**Exercise**: Know your element. For use in Tuesday, August 29 discussion.

**Problem Set #1** -Due Tuesday, September 5 in class

Chapter 1, *Chemistry in Context*

Questions (p.40-42) 3, 5, 9, 12, 14, 15, 23, 25, 30, 37