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| Chemistry |  |  | Mr. Rodrigo |

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| **Review** | Midterm review - December 2015 |

1. Significant Figure
   1. Review rules
      1. Addition/subtraction
      2. Multiplication/division
   2. Defined and measured values
      1. Know the difference
2. Scientific notation
   1. Review rules
      1. i. Addition/subtraction
      2. Multiplication/division
3. Conversion
   1. Unit analysis
   2. Lengths
      1. Metric system
      2. Imperial to metric

a. Conversion factors

1. Convert between a value and another

1. Atomic Theory
   1. Review the reading on the development of the atomic theory
      1. Focus

a. Dalton’s theory

1. Law of definite proportions

2. Law of multiple proportions

b. Thomson

1. Cathode ray experiment

c. Isotopes

1. Elemental symbols

a. Protons, neutrons, AMU

1. Lab safety
   1. Focus
      1. Powerpoint
      2. Quiz
2. Reactions
   1. Review
      1. Mole powerpoint
      2. Chemical reactions powerpoint
      3. Balancing equations
      4. Empirical formulas
      5. Molecular formulas