

Chapter 1 Reference Sheet
AP Chemistry
(Due with Exam I)

Name: _____

Hour: _____

Classifications of Matter

Properties of Matter

Units of Measurement

Uncertainty in Measurement

Conversions

Sample Problems

(Identify key calculations required to develop an understanding of the material in the chapter then rewrite and solve the problems in the space below)

Reactions

For each of the following reactions, write a balanced molecular equation for the reaction (including the correct physical states) and answer the question about the reaction.. Coefficients should be in terms of lowest whole numbers. One of these will appear on your unit 1 exam.

1. Electrical current passed through water.
 - What type of change is occurring during this reaction?

2. Burning hydrogen in the presence of oxygen.
 - What would be acceptable units for measuring the amount of product produced?

3. Nitric Acid, HNO_3 , reacting with solid copper to form nitrogen dioxide gas, water and copper nitrate.
 - Describe the appearance of products for this reaction.