

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

## Honors Chemistry Study Guide

### Stoichiometry

Show all work using dimensional analysis. Round answer to sig. figs. of given. No Stoich. Map.

**1. Oxygen reacts with hydrogen to produce.....**

**a) Predict product(s) and balance.**

**b) How many moles of oxygen is needed to react with 5.00 moles of hydrogen?**

**c) How many grams of water are produced from 3.50 moles hydrogen and excess oxygen?**

**d) How many grams of oxygen are needed to react with excess hydrogen to produce 9.00 g of water?**