

Name: _____ Date: _____

Per: _____

Conversion / Stoichiometry Problem Mix: Put only Answers on this page. Show work on a separate sheet of binder paper.

1. Convert 5.00 moles HCl into grams
2. Convert 10.0 moles Oxygen gas to Liters
3. If you have 12.5 Liters of Hydrogen gas, how many moles do you have?
4. If 8.00 grams of oxygen gas reacts with hydrogen gas, how many grams of water vapor will be made?
5. If 8.00 grams of hydrogen gas reacts with oxygen gas, how many liters of water vapor will be made?
6. How many atoms are in one mole of Carbon?
7. How many moles of Aluminum are needed to react with 64.0 grams of Oxygen to make Aluminum Oxide?
8. How many grams of Carbon Dioxide are made when 32.0 grams of CH_4 combusts?
9. Convert 4.00 grams of Calcium into moles.
10. How many grams of Iron(III) Oxide are made when 28.0 grams of Iron reacts with excess Oxygen gas?
11. How many Liters of water vapor are made when 4.50 Liters of Oxygen gas reacts with Hydrogen gas?
12. How many grams of Copper are made when 7.00 grams of Copper(II) Sulfate reacts with Iron to make Copper and Iron(II) Sulfate?