Chemistry I Worksheet 7-3 Percent Composition & Empirical Formulas Glencoe Chemistry pp.328-337	Name Period
Show your work to receive credit. Circle your final answer.  A. Calculate the percent composition for the following compounds.  1. Cr <sub>2</sub> O <sub>3</sub>	
2. Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	
<ul><li>B. Calculate the <i>percent by mass</i> of iron in each of the following compounds.</li><li>3. iron (III) oxide</li></ul>	
4. iron (II) oxide	
<ul> <li>C. Determine the <i>empirical formula</i> for each compound.</li> <li>5. A compound contains 0.0130 mol carbon, 0.0390 mol hydrogen, and 0.0065 mol oxygen.</li> </ul>	
6. A compound consists of 72.2% magnesium an	ad 27.8% nitrogen by mass.
7. Glucose contains 40.0% carbon, 6.7% hydrogo	en, and 53.3% oxygen by mass.
8. Phosphoric acid is found in some soft drinks. 0.3086 g of hydrogen, 3.161 g of phosphorus,	