Cn	iapter 6 Problem I (+I)		name	
1.	<ol> <li>Give the name and symbol of the ion formed when:</li> <li>a) a sulfur atom gains two electrons.</li> <li>b) an aluminum atom loses 3 electrons.</li> </ol>			
2.	How many electrons are lost or g a) Ba <sup>+2</sup> b) As <sup>-3</sup>	gained in forming c) Cu	each ion?	
3.	<ul> <li>List 3 characteristic that distinguish ionic compounds from molecular compounds.</li> <li>a)</li> <li>b)</li> <li>c)</li> </ul>			
4.	Cation is	Anion is		
How are they relate to the terms metal and nonmetal?				
5. What does the presence of an -ide ending on the name of an ion tell you about that ion?				
6. What are the only elements that exist in nature as isolated atoms? What term is used to describe such elements?				
8.	Write the symbol and name for that a) potassium atom loses one ele			
<ul><li>9. Write the symbol and name for the anion formed when</li><li>a) fluorine atom gains one electron</li><li>b) sulfur atom gains two electrons</li></ul>				
10	. What is the lowest whole-number Compound A: Pb = $2.98 g$ O <sub>2</sub> = $0.461 g$	Comp Pb =	oound B: 9.89 g 0.763 g	
11. Is the sample nitrous oxide? Explain. (Show work) P. 142				
12	. Chemical formula is			
	Molecular formula is			
	Formula unit is			
13	13. How are experimental data used to show that a compound obeys the law of definite proportions?			
45. Describe the two ways that an ion forms from an atom.				