Worksheet 5 Name

Chem 121- Worksheet 5

Cov

val	ent Compounds
1.	Using the periodic table, predict whether the following chlorides are ionic or covalent:
	a. KCl lonic
	b. NCl ₃ Covalent
	c. ICl Covalent
	d. MgCl ₂ Ionic
	e. PCl ₅ Covalent
	f. CCl ₄ Covalent
2.	Which of the following is a covalent compound?
_	a. RbCl
<	b. CO
	C. MgS
	1: TiO
3.	What is the empirical formula of C_6H_{14} ?
	C3H7
4.	The compound, P_4S_{10} , is used in the manufacture of safety matches. What is its name?
	tetraphosphorous decasulfide

Name Worksheet 5

5. Diiodine pentoxide is used as an oxidizing agent that converts carbon monoxide to carbon dioxide. What is its chemical formula?

1205

6. Write the chemical formula for nitric acid.

HNO3

7. Write the name for the formula $H_2SO_{4(aq)}$.

Sulfuric acid

8. Write the name for the formula $HClO_{3(l)}$.

Chloric acid