

flash cards!

Unit 7 Activity Sheet

Chemistry 30A

1. Sample Quiz Questions.

1. The Greek prefix for six is:

- a. hepta
- b. hexa**
- c. septa

- d. nona
- e. none of these

Know your
Greek prefixes

2. A compound whose name has an -ide ending even though it is not a binary compound is

- a. KCN potassium cyanide**
- b. HNO_3
- c. KMnO_4

- d. KClO_3
- e. H_2CO_3

3. When magnesium metal is allowed to combine with fluorine gas, the compound produced is:

- a. MgF
- b. MgF_2**
- c. Mg_2F

magnesium loses 2 electrons, forming Mg^{2+}
~~Fluorine~~ Fluorine gas forms 2 F^- ions

- d. $\text{Mg}(\text{F}_2)_2$
- e. none of these

4. Hydrochloric acid has the formula:

- a. HCl (gas)
- b. HCl (aqueous)**
- c. HCl (liquid)

hydrogen chloride

- d. HClO
- e. none of these

5. The formula for copper (II) oxide is:

- a. CuO**
- b. Cu_2O
- c. CuO_2

- d. Cu_2O_2
- e. Cu_2O_3

Cu^{2+} O^{2-}

6. Which of the following is the correct formula?

- a. MgO_2 $\text{Mg}^{2+}, \text{O}^{2-}$ MgO is correct
- b. ZnO**
- c. AlO $\text{Al}^{3+}, \text{O}^{2-}$ Al_2O_3 is correct

- d. Na_2O_3 $\text{Na}^+ / \text{O}^{2-}$ Na_2O is correct
- e. KO_2 $\text{K}^+ / \text{O}^{2-}$ K_2O is correct

7. PbCl_2 is correctly named:

- a. lead chloride (Can't determine on)
- b. plumbic chloride PbCl_4
- c. lead (IV) chloride PbCl_4

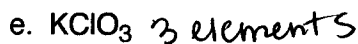
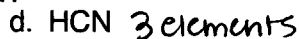
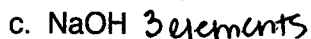
- d. lead dichloride
- e. lead (II) chloride PbCl_2**

no Greek prefixes w/ salts

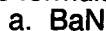
Pb has two flavors of ions, Pb^{2+} + Pb^{4+}

two elements in a compound

8. Which of the following is a binary compound?

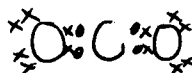


9. The formula for barium nitride is:

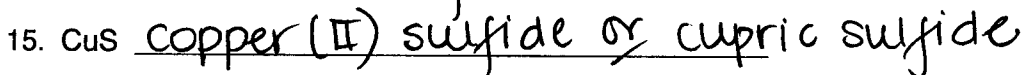
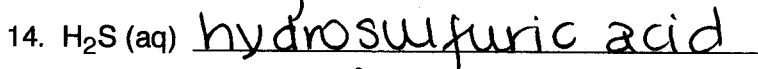
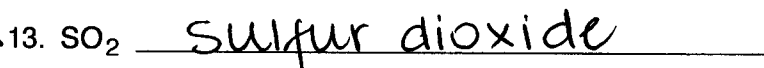
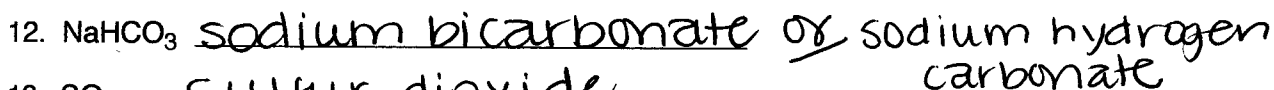
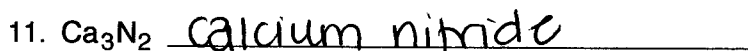


Ba^{2+} ion N^{3-} ion
common denominator is 6

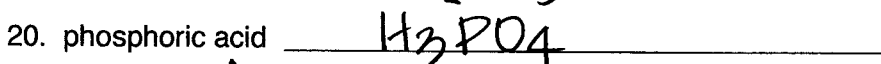
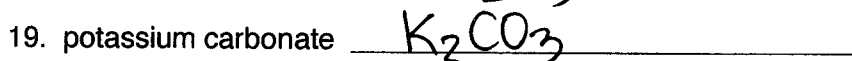
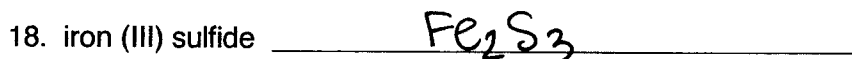
10. Draw the electron dot formula for carbon dioxide.



Name the following compounds.



Write the correct formula for the following compounds:



found in coke!

looking
soda
precursor
to
acid rain