

Chem Unit 4 Practice Test

This will not count for points.

- ___D___ 1. Which of the following is a binary compound?
A. O_2 B. HCN
C. H_2SO_4 D. H_2S
E. NaOH
- ___B___ 2. The correct name for FeO is
A. iron oxide B. iron (II) oxide
C. iron (III) oxide D. iron monoxide
E. iron (I) oxide
- ___D___ 3. Titanium (IV) oxide has the formula
A. Ti_4O B. TiO_4
C. $Ti(IV)O$ D. TiO_2
E. Ti_4O_2
- ___C___ 4. CO is the formula for
A. copper B. cobalt
C. carbon monoxide D. monocarbon monoxide
E. none of these
- ___E___ 5. The name of the compound $Pb(NO_3)_2$ is
A. lead nitrate B. lead dinitrate
C. lead (II) dinitrate D. lead (II) nitrite
E. lead (II) nitrate
- ___D___ 6. The correct formula for ammonium sulfate is
A. NH_4SO_3 B. NH_4SO_4
C. $(NH_4)_2SO_3$ D. $(NH_4)_2SO_4$
E. $(NH_4)_2SO_2$
- ___C___ 7. The charge on the aluminum ion is
A. +1 B. -3 C. +3 D. various charges are possible
- ___B___ 8. The name for NH_4Br is
A. nitrogen hydrogen bromide B. ammonium bromide
C. ammonium (I) bromide D. nitrogen tetrahydrogen bromide
E. none of these
- ___E___ 9. The correct formula for sodium bromide is
A. Na_2Br B. SBr
C. SBr₂ D. NaBr₂
E. NaBr
- ___B___ 10. What is the correct formula for sulfuric acid?
A. HSO_4 B. $H_2SO_4(aq)$
C. $H_2SO_3(aq)$ D. $HSO_3(aq)$
E. none of these

II.] Name the following compounds from their formulas. [10 pts]

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| _____ Calcium Acetate _____ | 1. $\text{Ca}(\text{C}_2\text{H}_3\text{O}_2)_2$ |
| _____ Iron (III) Sulfide _____ | 2. Fe_2S_3 |
| _____ Dinitrogen Pentoxide _____ | 3. N_2O_5 |
| _____ Nitric Acid _____ | 4. HNO_3 |
| _____ Potassium Chloride _____ | 5. KCl |
| _____ Barium Phosphate _____ | 6. $\text{Ba}_3(\text{PO}_4)_2$ |
| _____ Sodium Hydroxide _____ | 7. NaOH |
| _____ Aluminium Oxide _____ | 8. Al_2O_3 |
| _____ Sulfur Dioxide _____ | 9. SO_2 |
| _____ Lead (II) Fluoride _____ | 10. PbF_2 |

III.] Write the correct formulas in the blank to the left. [10 pts]

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|---|--------------------------|
| _____ $\text{Fe}(\text{OH})_3$ _____ | 1. Iron (III) hydroxide |
| _____ H_3PO_4 _____ | 2. Phosphoric acid |
| _____ HgS _____ | 3. Mercury (II) sulfide |
| _____ SiF_4 _____ | 4. Silicon tetrafluoride |
| _____ $\text{Ca}(\text{NO}_3)_2$ _____ | 5. Calcium nitrate |
| _____ $(\text{NH}_4)_3\text{PO}_4$ _____ | 6. Ammonium phosphate |
| _____ SnS_2 _____ | 7. Tin (IV) sulfide |
| _____ $\text{HC}_2\text{H}_3\text{O}_2$ _____ | 8. Acetic acid |
| _____ MnO_2 _____ | 9. Manganese (IV) oxide |
| _____ $\text{Al}_2(\text{SO}_4)_3$ _____ | 10. Aluminum sulfate |