

**FOR ASSESSMENT: 3U Polyatomic Compounds Quiz**

There will be 10 randomly chosen polyatomic multiple choice questions. Questions will involve multivalent metals as well. YOU HAVE 18 MINUTES TO COMPLETE IT AND ONLY ONE ATTEMPT.

1. What is the correct name for the compound with the formula  $(NH_4)_3PO_4$ ? (1 point)

- ☐ Ammonia Pyrophosphite
- ☐ Ammonia Phophorylate
- ☐ Ammonia Phosphite
- ☐ Ammonium Phosphate
- ☐ Ammonia Phosphide

2. The polyatomic ion in  $Mg(OH)_2$  is \_\_\_\_\_. (1 point)

- ☐ MgO
- ☐ OH
- ☐ Mg

3. What is the correct formula for Aluminum Permanganate? (1 point)

- ☐  $Al_3(MnO_4)_3$
- ☐  $Al(MnO_4)_2$
- ☐  $Al(MnO_4)_3$
- ☐  $Al(MnO_4)_4$

4. The name for the  $(PO_4)^{-3}$  ion is: (1 point)

- ☐ phosphate
- ☐ phosphorus tetroxide
- ☐ phosphite
- ☐ phosphic acid

5. What is the correct formula for Molybdenum (II) Nitrate? (1 point)

- ☐  $Mo(NO_3)_2$
- ☐  $Mo_6(NO_3)_1$
- ☐  $Mo_3(NO_3)_2$
- ☐  $Mo_2(NO_3)_3$

6. Cobalt(2) Nitrate (1 point)

- ☐ CoNO3
- ☐ Co2NO3
- ☐ Co(NO3)2
- ☐ Co(NO3)3

7. Select the formula for the following base: sodium hydroxide (1 point)

- ☐ NaOH
- ☐ Na(OH)2
- ☐ NaH

8. The correct name for the compound with the formula  $PbSO_3$  is: (1 point)

- ☐ Lead Sulfite
- ☐ Lead Sulfide
- ☐ Lead Sulfate
- ☐ Lead (II) Sulfite
- ☐ Lead (II) Sulfate

9. What is the correct name for the compound with the formula  $NH_4C_2H_3O_2$ ? (1 point)

- ☐ Ammonium Acetate
- ☐ Ammonia Acid
- ☐ Amonic Acid
- ☐ Ammonia Salts

10. Iron(2) Phosphate (1 point)

- ☐  $Fe_3PO_4$
- ☐  $Fe_2PO_4$
- ☐  $Fe_2(PO_4)_3$
- ☐  $Fe_3(PO_4)_2$

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