

Unit 4 - Naming Worksheet

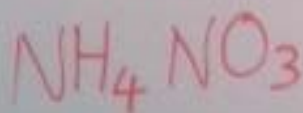
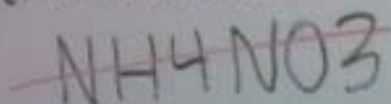
Part A: Write the correct chemical names for the following compounds. Pay attention to spelling.

What type of compound is this?

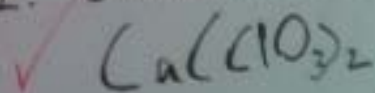
1. two nonmetals
2. metal with fixed charge + nonmetal
3. metal with variable charge + nonmetal
4. hydrate
5. binary acid
6. oxyacid

Compound	What type of compound is this?	Name of compound
1. Cu_2O $+1 \quad -2$	3	copper(I) oxide or cuprous oxide
2. $\text{Fe}_2(\text{SO}_4)_3$ $+3 \times 2 \quad -2 \times 3 = -6$	3	iron(III) sulfate or ferric sulfate
3. $\text{K}_2\text{Cr}_2\text{O}_7$ —	2	potassium dichromate
4. P_4O_{10}	1	tetraphosphorus decoxide
5. $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$ —	4	aluminum chloride hexahydrate
6. SnSe_2	3	tin(IV) selenide or stannic selenide
7. $\text{AgC}_2\text{H}_3\text{O}_2$	2	silver acetate
8. Mg_3N_2	2	magnesium nitride
9. CaF_2	2	calcium fluoride
10. PbCl_4 $+4 \quad (-1 \times 4) = -4$	3	plumbic chloride or lead(IV) chloride

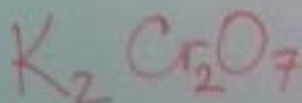
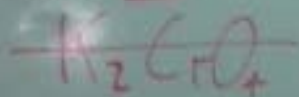
11. ammonium nitrate



12. calcium chlorate



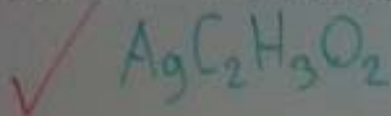
13. potassium dichromate



14. plumbic carbonate



15. silver acetate



16. cuprous hydroxide ~~CuOH_2~~ CuOH

17. potassium permanganate KMnO_4 ✓

18. sulfuric acid H_2SO_4 ✓

19. ⁽⁺²⁾stannous hydroxide $\text{Sn}(\text{OH})_2$ ✓

20. potassium cyanide KCN