

CHAPTER 7. NOMENCLATURE HOMEWORK KEY

A. Write the formula for each of the following compounds:

1. carbon tetrafluoride	CF_4
2. potassium sulfate	K_2SO_4
3. sodium phosphide	Na_3P
4. cobalt (II) nitrite	$\text{Co}(\text{NO}_2)_2$
5. iron (III) sulfide	Fe_2S_3
6. diphosphorous pentasulfide	P_2S_5
7. calcium phosphate	$\text{Ca}_3(\text{PO}_4)_2$
8. copper (II) acetate	$\text{Cu}(\text{C}_2\text{H}_3\text{O}_2)_2$
9. aluminum carbonate	$\text{Al}_2(\text{CO}_3)_3$
10. zinc cyanide	$\text{Zn}(\text{CN})_2$
11. nitrogen trichloride	NCl_3
12. chromium (III) sulfite	$\text{Cr}_2(\text{SO}_3)_3$
13. silver chromate	Ag_2CrO_4
14. lead (II) bromide	PbBr_2
15. cadmium permanganate	$\text{Cd}(\text{MnO}_4)_2$
16. lithium dichromate	$\text{Li}_2\text{Cr}_2\text{O}_7$
17. nickel (II) nitrite	$\text{Ni}(\text{NO}_2)_2$
18. ammonium chromate	$(\text{NH}_4)_2\text{CrO}_4$
19. magnesium nitride	Mg_3N_2
20. mercury (II) hydroxide	$\text{Hg}(\text{OH})_2$

B. Name the following compounds:

1. SF ₆	sulfur hexafluoride
2. Ag ₃ N	silver nitride
3. Cd(NO ₂) ₂	cadmium nitrite
4. Fe ₂ O ₃	iron (III) oxide
5. KOH	potassium hydroxide
6. CoSO ₃	cobalt (II) sulfite
7. LiNO ₃	lithium nitrate
8. Mg ₃ (PO ₄) ₂	magnesium phosphate
9. BeCO ₃	beryllium carbonate
10. Al ₂ (CrO ₄) ₃	aluminum chromate
11. N ₂ O ₄	dinitrogen tetraoxide
12. Na ₂ SO ₄	sodium sulfate
13. Zn(C ₂ H ₃ O ₂) ₂	zinc acetate
14. Ni(MnO ₄) ₂	nickel (II) permanganate
15. Br ₂ O ₇	dibromine heptoxide
16. PbCr ₂ O ₇	lead (II) dichromate
17. CrCl ₃	chromium (III) chloride
18. Hg ₃ P ₂	mercury (II) phosphide
19. NH ₄ Br	ammonium bromide
20. Cu ₂ S	copper (I) sulfide