Review Exercise 5 - Answers

A.

1. $CaBr_2$	Calcium Bromide	21. LiCl	Lithium chloride
2. Cr_2O_3	Chromium(III) oxide	22. $H_2SO_{4(aq)}$	Sulfuric acid
3. PCl_3	Phosphorus trichloride	23. TiO_2	Titanium(IV) oxide
4. $NaHCO_3$	Sodium hydrogen carbonate, or Sodium bicarbonate	24. N_2O	Dinitrogen monoxide
5. NH_4OH	Ammonium hydroxide	25. H_2O_2	Hydrogen peroxide
6. K_2SO_4	Potassium sulfate	26. $Ca_3(PO_3)_2$	Calcium phosphite
7. $NaClO_2$	Sodium chlorite	27. $HCl_{(aq)}$	Hydrochloric acid
8. NaIO	Sodium hypoiodite	28. OCl_2	Oxygen dichloride
9. CCl_4	Carbon tetrachloride	29. $(NH_4)_2S$	Ammonium sulfide
10. $HI_{(aq)}$	Hydroiodic acid	30. Fe_2O_3	Iron(III) oxide
11. K_2O_2	Potassium peroxide	31. $CuNO_3$	Copper(I) nitrate
12. $AlCl_3$	Aluminum Chloride	32. $H_2SO_{3\ (aq)}$	Sulfurous acid
13. $H_3PO_{4\ (aq)}$	Phosphoric acid	33. NaOH	Sodium hydroxide
14. $CuSO_4$	Copper(II) sulfate	34. MnO	manganese(II) oxide
15. Li_2SiO_3	Lithium silicate	35. N_2O_4	Dinitrogen tetroxide
16. $Ba(OH)_2$	Barium hydroxide	36. H_2O	Dihydrogen monoxide (water)
17. $NH_{3(g)}$	Nitrogen trihydride (ammonia)	37. P_4	Phosphorus
18. $Al_2(SO_4)_3$	Aluminum sulfate	38. $H_2S_{(aq)}$	Hydrosulfuric acid
19. CaF_2	calcium fluoride	39. $HBr_{(g)}$	Hydrogen bromide (gas)
20. P_2O_5	Diphosphorus pentoxide	40. $Sn(Cr_2O_7)_2$	Tin(IV) dichromate

B.

1. aluminum sulphide	Al_2S_3	21. ammonium phosphate	$(NH_4)_3PO_4$
2. iron(II) fluoride	FeF_2	22. aluminum chloride	$AlCl_3$
3. tetraphosphorus hexoxide	P_4O_6	23. sodium thiocyanate	NaSCN
4. potassium permanganate	$KMnO_4$	24. hydrofluoric acid	$HF_{(aq)}$
5. calcium hydroxide	$Ca(OH)_2$	25. silicon dioxide	SiO_2
6. strontium nitrate	$Sr(NO_3)_2$	26. nitrogen gas	N_2
7. ammonium hydrogen carbonate	NH_4HCO_3	27. lithium borate	Li_3BO_3
8. hydrogen gas	H_2	28. aluminum fluoride	AlF_3
9. nitrogen trihydride	NH_3	29. barium sulfate	$BaSO_4$
10. boric acid	$H_3BO_{3(aq)}$	30. strontium oxide	SrO
11. hydrogen sulfide	$H_2S(g)$	31. lithium peroxide	Li_2O_2
12. lithium periodate	$LiIO_4$	32. nitric acid	$HNO_{3(aq)}$
13. periodic acid	$HIO_{4(aq)}$	33. carbon tetrafluoride	CF_4
14. potassium oxalate	$K_2OOCCOO$	34. iron(III) carbonate	$Fe_2(CO_3)_3$
15. calcium carbonite	$CaCO_2$	35. diarsenic trisulfide	As_2S_3
16. carbon tetrachloride	CCl_4	36. tin(IV) silicate	$Sn(SiO_3)_2$
17. boron tetrahydride	BH_4	37. Oxygen gas	O_2
18. lead(IV) sulfide	PbS_2	38. natural gas	CH_4
19. ammonium sulfate	$(NH_4)_2SO_4$	39. sodium hypoiodite	NaIO
20. antimony(III) permanganate	$Sb(MnO_4)_3$	40. strontium nitride	Sr_3N_2