Name:_____

Chem. 4 – Fall 2009 – Proficiency Exam #1 – Nomenclature (1st try)

1) nickel (II) permanganate

$Ni(MnO_4)_2$

2) sodium oxalate

$Na_2C_2O_4$

3) $Pb_3(AsO_4)_4$

lead (IV) arsenate

4) HBr

hydrogen bromide
hydrogen monobromide

5) AgCl

silver chloride

6) $Cr_2(SeO_4)_3$

chromium (III) selenate

7) $RbHCO_3$

rubidium hydrogen carbonate
rubidium bicarbonate

8) cadmium acetate

$Cd(C_2H_3O_2)_2$

9) titanium (IV) sulfate

$Ti(SO_4)_2$

10) K_2O

potassium oxide

11) $Bi_2(CrO_4)_5$

bismuth (V) chromate

12) $H_2SO_{3(aq)}$

sulfurous acid

13) Zn_3N_2

zinc nitride

14) lithium phosphide

Li_3P

15) antimony (V) nitrite

$Sb(NO_2)_5$

16) iron (III) hydroxide

$Fe(OH)_3$

17) MnO_2 (there are 2 names for this, 1 pt extra for getting both)

manganese (II) peroxide
manganese (IV) oxide

18) XeF_6

xenon hexafluoride

19) hypobromous acid

$HBrO_{(aq)}$

20) $HCN_{(aq)}$

hydrocyanic acid

21) dinitrogen tetraoxide

N_2O_4

22) copper (I) iodate

$CuIO_3$

23) aluminum selenide

Al_2Se_3

24) phosphoric acid

$H_3PO_{4(aq)}$

25) ammonium carbonate

$(NH_4)_2CO_3$

26) $Co(IO_4)_3$

cobalt (III) periodate

27) $Ca(ClO_2)_2$

calcium chlorite

28) barium sulfide

BaS

29) $Sn(NO_3)_2$

tin (II) nitrate

30) potassium phosphite

K_3PO_3