Naming Rules / Worksheet #1 Name _____ Date _____

Covalent compounds- consist of nonmetal only.
If chemical formula starts with H- *it's an acid: find its na*me or formula in the Acids List.
Exception: H_2O and H_2O_2.

If chemical formula consist of 2 nonmetals only- use the following naming rules.
Ex: name the following compound -H_2O_2
(a) name the first element- unchanged name from PT - hydrogen
(b) for the second element, take **its root** and add ending **–ide** - **ox**ide
(c) add prefixes which will show how many atoms of each element are here in a compound
Answer: **di**hydrogen **di**oxide

Write the names for each of the following covalent compounds.

(1) NO - nitrogen monoxide (2) HNO_3 - nitric acid

(3) H_3PO_4_____ (4) N_2O_3 _____

(5) SiO_2 _____ (6) N_2O_5 _____

(7) HNO_2 _____ (8) HBr _____

(9) C_4H_8 _____ (10) H_2SO_3 _____

(11) CCl_4 _____ (12) $HC_2H_3O_2$ _____

(13) $HClO_4$ _____(14) $HClO_3$ _____

(15) H_2SO_4 _____(16) H_2S _____

(17) HI _____(18) H_2O_2_____

(19) Cl_3F _____(20) N_2H_4 _____

(21) Cl_2O_7 _____(22) HCl _____

(23) NH_3_____ (24) H_2SiO_4 _____

(25) Cl_2O_5 _____ (26) PCl_3 _____

(27) HF_____ (28) Cl_2O _____

(29) CS_2 _____ (30) H_2CO_3 _____

(31) SF_4 _____ (32) SiC _____

(33) P_2S_3 _____ (34) F_2O_5_____