Name_____

Chem 1 Practice: Names and Formulas of Molecular Compounds

Name the following compounds or write the formula. Identify each compound as molecular or ionic.

	Formula	***Name***	***Ionic or Molecular?***
1	NaCN		
2		dihydrogen oxide	
3	H_2S		
4		carbon monoxide	
5		oxygen dichloride	
6	H_2O_2		
7	H_2SO_4		
8		magnesium hydrogen carbonate	
9		sulfur hexafluoride	
10	$AlCl_3$		
11	H_2Te		
12		carbon tetrachloride	
13		phosphoric acid	
14	$(NH_4)_3PO_4$		
15		dinitrogen pentoxide	
16	$CrCl_3$		
17	H_2CO_3		
18		dinitrogen oxide	
19	NO_2		
20	SO_3		
21	CCl_4		
22		acetic acid	
23	$Sr_3(PO_4)_2$		
24		nitrogen triiodide	

Solutions to: **Chem 1 Practice: Names and Formulas of Molecular Compounds**

	Name	***Formula***	***Ionic or Molecular?***
1	NaCN	sodium cyanide	ionic
2	H_2O	dihydrogen oxide	molecular
3	H_2S	dihydrogen sulfide	molecular
4	CO	carbon monoxide	molecular
5	OCl_2	oxygen dichloride	molecular
6	H_2O_2	dihydrogen dioxide	molecular
7	H_2SO_4	sulfuric acid	molecular
8	$Mg(HCO_3)_2$	magnesium hydrogen carbonate	ionic
9	SF_6	sulfur hexafluoride	molecular
10	$AlCl_3$	aluminum chloride	ionic
11	H_2Te	dihydrogen telluride	molecular
12	CCl_4	carbon tetrachloride	molecular
13	H_3PO_4	phosphoric acid	molecular
14	$(NH_4)_3PO_4$	ammonium phosphate	ionic
15	N_2O_5	dinitrogen pentoxide	molecular
16	$CrCl_3$	chromium (III)chloride	ionic
17	H_2CO_3	carbonic acid	molecular
18	N_2O	dinitrogen oxide	molecular
19	NO_2	nitrogen dioxide	molecular
20	SO_3	sulfur trioxide	molecular
21	CCI_4	carbon tetrachloride	molecular
22	$HC_2H_3O_2$	acetic acid	molecular
23	$Sr_3(PO_4)_2$	strontium phosphate	ionic
24	NI_3	nitrogen triiodide	molecular