

WORKSHEET #7: NOMENCLATURE OF MOLECULAR SUBSTANCES

#	Molecular Formula	Name
Eg.	CCl_4	Carbon tetrachloride
1		Nitrogen
2	O_2	
3		Argon
4	CO_2	
5		The other noble gases (besides Argon)
6	NO	
7	NO_2	
8		Sulphur dioxide
9	SO_3	
10		Carbon monoxide
11		Ozone
12		Ethanol
13		Sucrose
14		Sulphur (sulfur)
15	P_4O_{10}	
16	P_4O_6	
17		Chlorine dioxide
18		Methanol
19	P_4	
20		Ammonia
21	CH_4	
22	H_2O	
23		Dinitrogen monoxide

NOMENCLATURE OF HYDRATED IONIC COMPOUNDS

Use Latin prefixes to indicate # of water molecules present

1 = mono 2 = di 3 = tri 4 = tetra 5 = penta
6 = hexa 7 = hepta 8 = octa 9 = nona 10 = deca

#	Name of Hydrate	Chemical Formula
Eg.	Copper(II)sulphate pentahydrate	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
1		$\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$
2	Sodium carbonate decahydrate	
3		$\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$
4	Barium chloride dihydrate	
5		$\text{Cd}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$
6		$\text{ZnCl}_2 \cdot 6\text{H}_2\text{O}$
7	Zinc sulphate heptahydrate	