9/16/2019	
	For you to try: Mg NO32
	name: (1) $M_q(NO_s)_2$
	M 2+ NO ·1 /
	Mg ²⁺ NO ₃ = magnesium nitrate
	(2) $Fe_3(\rho 0_4)_2$
	(2) $Fe_3(PO_4)_2$ $Fe^{\frac{2^{24}}{PO_4}} = iron(11) phosphata$ $Fe^{\frac{2^{24}}{PO_4}} = one one of the phosphata$ $Fe^{\frac{2^{24}}{PO_4}} = one one of the phosphata$
	te PD4 = 1.00n(11) phosphate
	Fe PO ₄
	te
	11 1 1
	Hydrati
	L "11"
	water can "shick" to ionic compounds!
	ex: CaSO4.2H2O (gypsum/sheetrock)
	2 waters shock to each Casox!
	- can remove H20 by heatig! (LAB)
	Naming hydrates: i) Name ionic part! (v)
	ii) write a prefix for # H2O's?
	iii) write "hydrate" @ end of name.
	Ca504.2H20
	Calcium sulfate dihydrate

Prefixes: # prefix # prefix
1 mono 1 6 hexa
2 di , 7 hepta
3 tri 8 octa
4 tetra, 9 nona
5 penta : 10 deca
CuSO4.5H2O = (opper (11) sulfate pentahydrati
Cut sout
Naming Molerales Compounds
Ionic: Metals + Non-metals Naca
Molecula: Non-metals. FC
ex: N20, NO, N205, P4010, (Moleruly)
1) Water name of 1st element (asis)
1) Write name of 1st element (as = is) 2) Write name of 2nd element, but change ending to -ide
3) Use prinx for Hatoms.
4) Don't use mono for 1st element 5) Remove last letter of prefix if it sounds better!
5) Remove last letter of prefix it it sounds bettor!

	N20 dinitagen monfoxide
	NO mono nitrogen mond oxide
	N20s di nitrogen penta oxide
	PyO10 tetraphosphorus degioxide.
	Cl ₂ F ₃ = <u>dichloride trifluoride</u> × = <u>dichlorine</u> trifluoride v
	H2O = dihydrogen monoxide (DHMO) WATER.
	NH3 = ammonia
	CHy = methane
	Common Acids
	HF(ag) = hydrofluoric acid HC(ag) = hydrochloric acid
	H1NO3(ag) = nitric acid H2SO4(ag) = sulfusic acid H3PO4(ag) = phosphosic acid
1 5 1 1 1 1 1	

More fun my moles!

molar mass = mass of I mol of substance = sum of all atomic masses!

ex: NH_3 : $1 \times N = 1 \times 14.01$ $3 \times H = 3 \times 1.008$ 17.03

1 mol NH3 = 17.03g NH3

6.022 × 1023 molerules NH3 = 17.039 NH3

Q: How many mol NHz are in 5.8a?

5.8gNH3x 1 mol NH3 - 0.34 mol NH3.