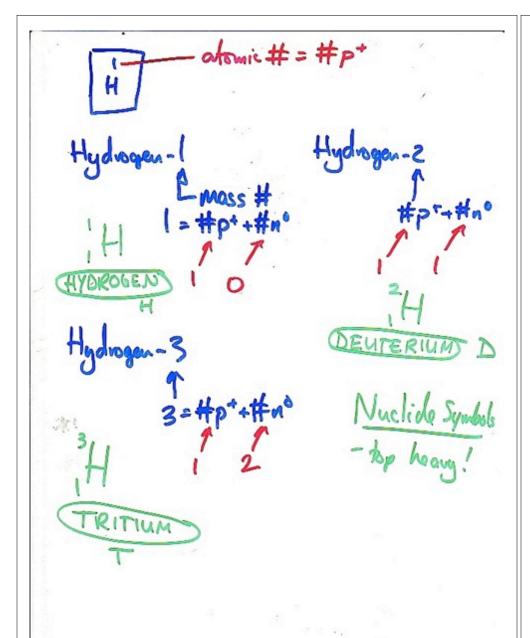
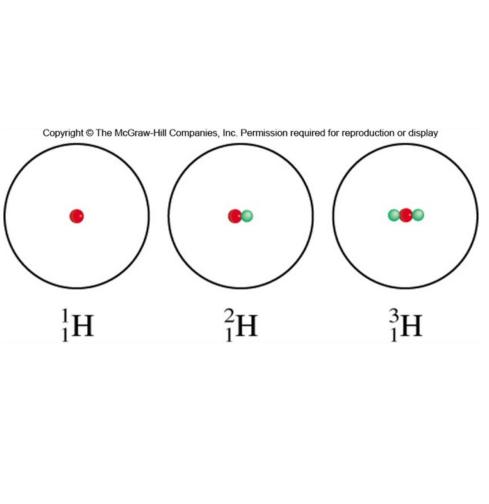
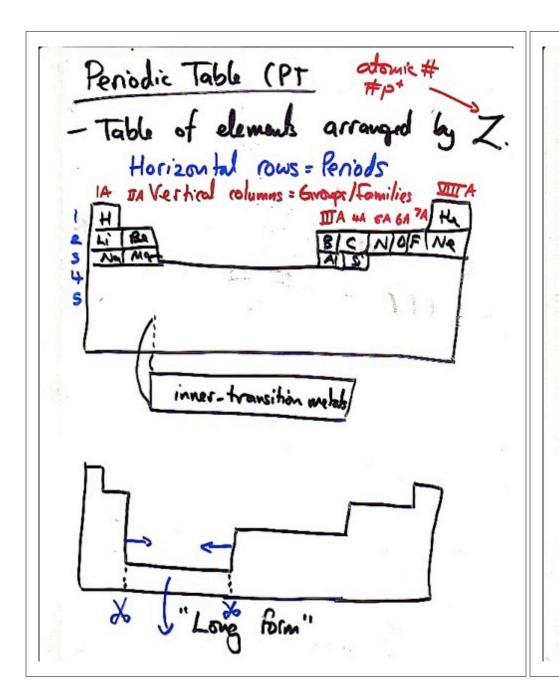
Gold-197 Gold-179 Z=79 A=179 Nuclide Symbol

Carbon-14 Carbon-12 Z = 6 = #p+ Z=6=#p+ A=12=#p+#n" Periodic Table A=14=#p+#n0 A=12=+p+++n0 ex: 3 "common" isobpes of hydrogen. Hydrogen-1, Hydrogen-2, Hydrogen-3 a. How many pt and no are in each iso tope? Q. Write nuclide symbols ...







Elements in same group, have Similar properties!!!

Group IA

Alkali Makels. Li, Na, K, Cs, Rb ...

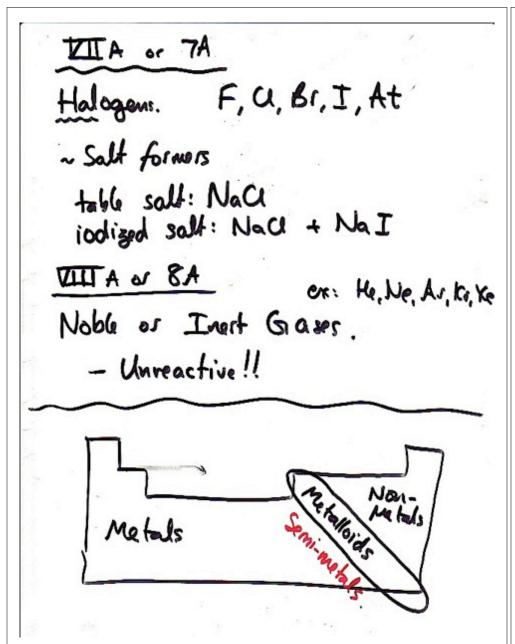
- React violently w/ H2O, and produce a soly that can neutralize acids. (Alkali soly)

2 solution

Group II A

Alkalin Earth Metals

- present in many "earths"
- reacts with 420, and produce a sole that neutralizes acids



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1A	1 .											100		021			8A
H	2 2A											13 3A	14 4A	15 5A	16 6A	17 7A	He
3 Li	4 Be											5 B	6 C	7 N	8 O	9 F	10 Ne
11 Na	12 Mg	3 3B	4 4B	5 5B	6 6B	7 7B	8	9 	10	11 1B	12 2B	13 Al	14 Si	15 P	16 S	17 Cl	18 Ar
19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 K
37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 X 0
55 Cs	56 Ba	57 La	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Ri
87 Fr	88 Ra	89 Ac	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112	113	114	115	116	(117)	11

Metals	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	
Metalloids	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	

LHS of PT Metals Non-Keleys - Shing Dull - Malleable Britle - Ductile (wires!) - Good conductors of Poor conductors heat + elec. Metalloids silicon Shing Brittle Poor elec. conductor!

Discover of Renodic Table.
- Dmitri Mendeleyeu.

ARIS Due FRI9th 9am. Mon: Labor Day