

What is pH?

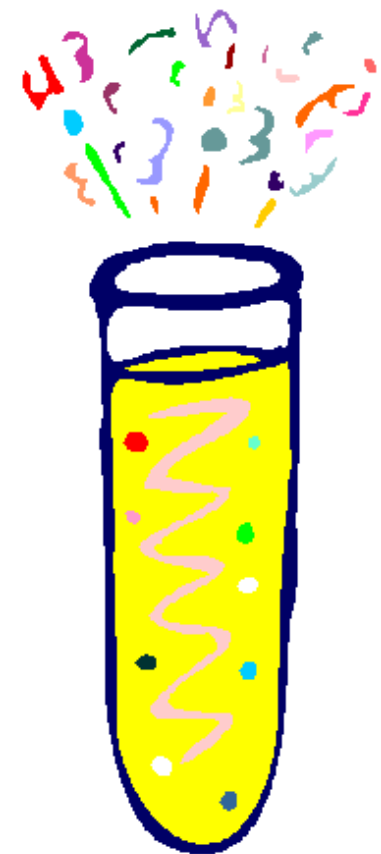
Periodic Table of the Elements

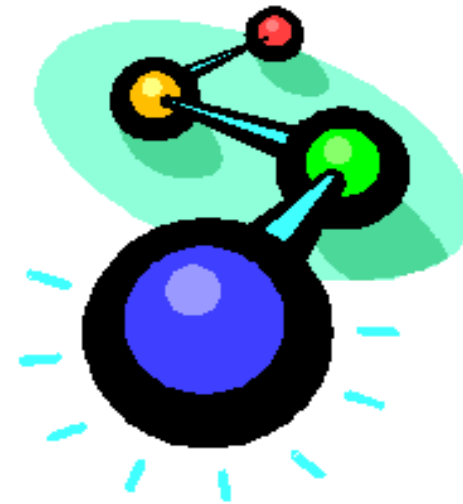
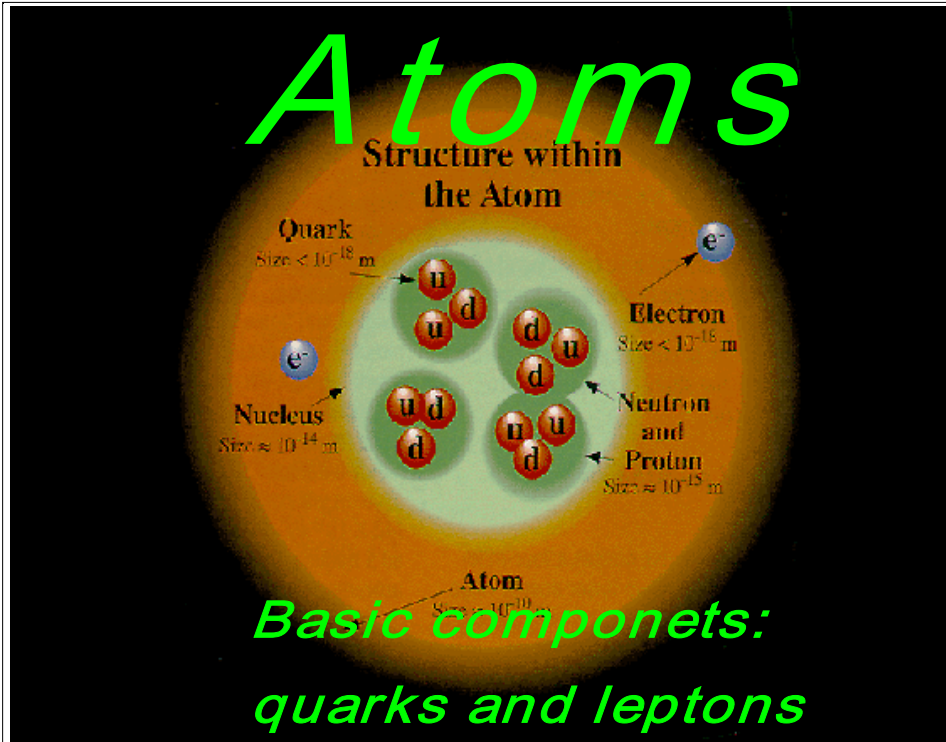
1	IA	1	H	2	0	2	He																														
2	IIA	3	Li	4	Be	5	B	6	C	7	N	8	O	9	F	10	Ne																				
3	IIIA	11	Na	12	Mg	13	Al	14	Si	15	P	16	S	17	Cl	18	Ar																				
4	IIIB	19	K	20	Ca	21	Sc	22	Ti	23	Y	24	Cr	25	Mn	26	Fe	27	Co	28	Ni	29	Cu	30	Zn	31	Ga	32	Ge	33	As	34	Se	35	Br	36	Kr
5	IVB	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	Xe
6	VB	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	Rn
7	VIB	87	Fr	88	Ra	89	+Ac	104	Rf	105	Ha	106	107	108	109	110	111	112																			

Naming conventions of new elements

* Lanthanide Series
+ Actinide Series

58	59	60	61	62	63	64	65	66	67	68	69	70	71
Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
90	91	92	93	94	95	96	97	98	99	100	101	102	103
Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr

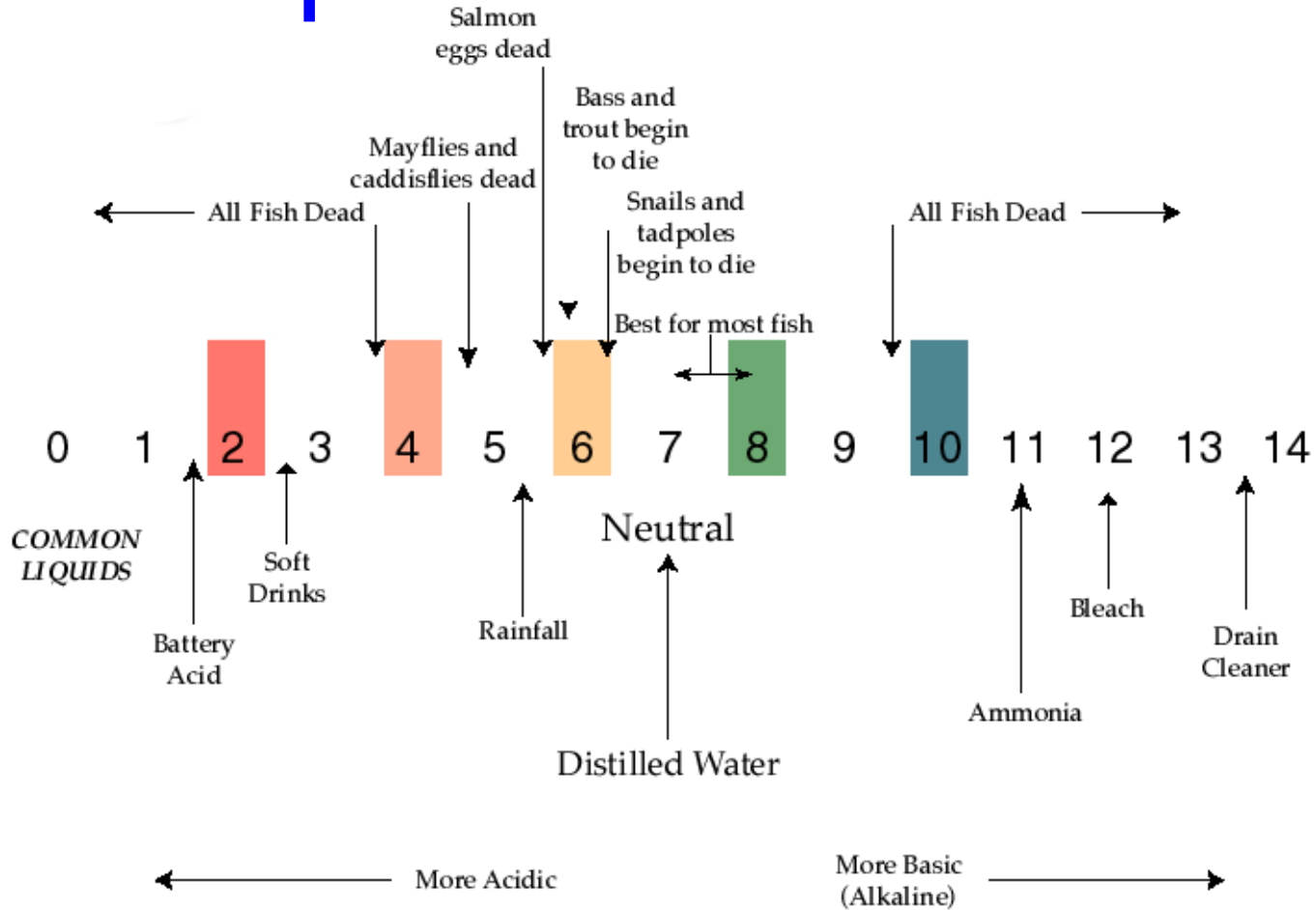






What is an ion?

Molecules

pH scale



pH paper

RED		VERY STRONGLY ACID pH 2.0
ORANGE		STRONGLY ACID pH 4.0
YELLOW		WEAKLY ACID pH 6.0
GREEN		WEAKLY ALKALINE pH 8.0
BLUE		STRONGLY ALKALINE pH 10.0