Na	ame :	Period	Date	
Ch	nemistry Pre-Test (2011)			
1.	What element has protons?			
2.	What neutral element has electrons?	?		
3.	How many neutrons does	have?		
Wł	nat is the charge of the following ions?			
4.	=5	=	_	
6.	=7	=	_	

8. Explain (in complete sentences) the structure of the atom in as much detail as you can. Use a drawing if it helps.

Explain (in a complete sentence) the following terms, using equations and units.

9. Kinetic energy:

10. Potential energy:

11. What is the difference between mass and weight? Explain in a complete sentence using the units.

Balance the following chemical equations:

12.

13.

Name : Period Date Chemistry Pre-Test (2011) Date

Periodic Table of the Elements

1A 1 H																	8A 2 He
1.008	2A											3A.	<u>4A</u>	<u>5A</u>	6A		4.003
3	4											5	6	7	8	9	10
Li	Be											В	С	N	0	F	Ne
6.941	9.012											10.81					20.18
11	12											13	14	15	16	17	18
Na	Mg							8B				A1	Si	P	S	C1	Ar
23.00	24.31		4B	5B	6B	7B				1B				30.97			
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
K	Ca	Sc	Ti	Y	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
39.10	40.08	44.96	47.90	50.94						63.55	65.38	69.72	72.59	74.92	78.96	79.90	83.80
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
Rb	Sr	Y	Zr	Nb	Мо	Tc	Ru	Rh	Pd	Ag	Cđ	In	Sn	Sb	Te		Xe
85.47	87.62	88.91	91.22		95.94					107.9		114.8					131.3
55	56	57	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	T1	Pb	Bi	Po	At	Rn
132.9	137.3	138.9	178.5				190.2		195.1	197.0	200.6	204.4	207.2	209.0	(209)	(210)	(222)
87	88	89	104	105	106	107		109									
Fr	Ra	Ac	Rf		Unh			Une									
(223)	226.0	227.0	(261)	(262)	(263)	(262)		(267)									
			58	59	60	61	62	63	64	65	66	67	68	_69	70	71	
Lanthanides			Ce	Pr	Nd	Pm	Sm	Eu	Gđ	Tb	Dy	Ho	Er	Tm	Yb	Lu	
			140.1									164.9			173.0	175.0	
				90	91	92	93	94	95	96	97	98	99	100	101	102	103
		Acti	inides	Th	Pa	U U	Np	Pu	\mathbf{Am}	Cm	Bk	Cf	Es	Fm	Md	No	Lr
				232.0	231.0	238.0	237.0	(244)	(243)	(247)	(247)	(251)	(252)	(257)	(258)	(259)	(260)