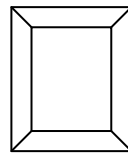


Name: _____

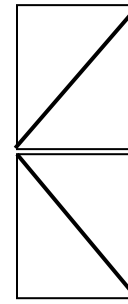
liquid

solids

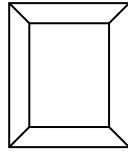
gas



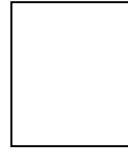
noble gases



lanthanides

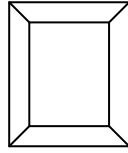


alkali metals



metalloids

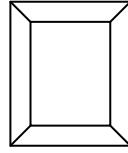
actinides



alkaline earth metals



non-metals



halogens



metals (leave white)

1	1	2
2	3 Li	4 Be
3	11 Na	12 Mg
4	19 K	20 Ca
5	37 Rb	38 Sr
6	55 Cs	56 Ba
7	87 Fr	88 Ra

												13	14	15	16	17	18
												5 B	6 C	7	8	9	10
												13 Al	14 Si	15 P	16 S	17	18
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se				
39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54		
Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I			
*57	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86		
La	Hf	Ta	W	Re	Os	Ir	Pt	Au		Tl	Pb	Bi	Po	At			
**89	104	105	106	107	108	109	110	111									
Ac	Rf	Db	Sg	Ns	Hs	Mt	Ds	Rg									
*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				

Coloring The Periodic Table

You will need to use at least 10 different markers/pencils: **2 thin dark markers**, **4 light colored pencils or highlighters** and **4 thick markers any color**.

___1. The two elements that are liquids at room temperature are bromine (35) and mercury (80). **Write their symbols (Br, Hg)** using the same color of *thin dark marker* in the appropriate spaces. Also, color in the letters of the word *liquid* with this color

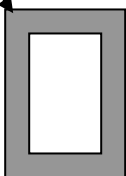


___2. The elements that are gases at room temperature are **H, N, O, F, Cl** and the six elements in the last group (column) **He, Ne, Ar, Kr, Xe, Rn**. Use a different color of *thin dark marker* than the color you used for the liquids, and **write their symbols in the appropriate spaces**. Also, color in the letters of the word *gas* with this color.

All of the rest of the elements are solids at room temperature. Their colors are already black

*3. Color the ***border around the symbols** for the following. *Use a different colored thick marker for each group. Also color the appropriate border in the "key" at the top of the table.*

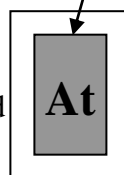
*Color border only



- ___A The alkali metals include **Li, Na, K, Rb, Cs** and **Fr** in Group 1
- ___B. The alkaline earth metals include **Be, Mg, Ca, Sr, Ba** and **Ra** in Group 2
- ___C. The halogens include **F, Cl, Br, I** and **At** Group 17
- ___D. The noble gases include **He, Ne, Ar, Kr, Xe** and **Rn** in Group 18

___**4. The metalloids are **B, Si, As, Te, At, Ge, Se** and **Sb**. Color the ****inside of their blocks** a *light colored pencil* you haven't used yet *Also color the appropriate box in the "key" at the top of the table.*

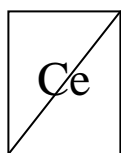
**Color the inside only



___5. The nonmetals are **all** of the elements to the **right** of the metalloids (including the halogens and noble gases). **H** is also a nonmetal Color the ****inside of the blocks** using a *light colored pencil* you haven't used yet. There should be 16 blocks colored this way. *Also color the appropriate box in the "key" at the top of the table.*

All of the rest of the elements to the left of the metalloids are metals. *You do not need to color these blocks.*

6. Color a **diagonal line through the symbols** for the following with a *light color* marker or pencil. *Use a different color for each group. Also color the appropriate box in the "key" at the top of the table.*



___A. The lanthanide's include **Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb** and

Lu

___B. The actinides include **Th, Pa, U, Np, Pu, Am, Cm, Bk, Cf, Es, Fm, Md, No** and **Lr**

