

## The Structure of the Periodic Table



### Directions:

1. Label the columns with the both the 1 – 18 and IA – VIIIA designations.
2. Write the period numbers in the left margin.
3. Draw a heavy line to separate the metals from the nonmetals.
4. Color the groups listed in the key with different colored pencils, indicating colors in the key.
5. Write the atomic numbers in the upper left hand corner of elements 57, 58, 71, 72, 89, 90, 103, and 104. Write the symbols of lanthanum and actinium in the correct boxes. Draw an arrow to indicate where the lanthanide and actinide series fit into the main periodic table.
6. Write the symbols of the elements {Ag, Al, C, Ca, Cl, Cu, F, Fe, H, He, Hg, K, Mg, N, Na, O, P, Pb, S, Zn} in the proper locations.

K E Y	
	alkali metals
	alkaline earth metals
	halogen family
	noble gases
	transition metals
	lanthanide series
	actinide series