

# Exercise 5.2b

## The Periodic Table

Name: \_\_\_\_\_

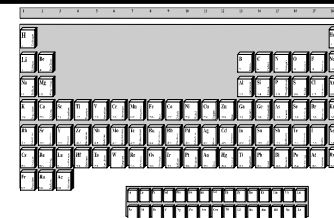
Date: \_\_\_\_\_ Per: \_\_\_\_\_

**DIRECTIONS:** Fill in the table below using your knowledge of the periodic table.

*M = metal, S-M = semi-metal/metalloid, N-M = non-metal*

*MG = main group, TM = transition metal, IM = inner transition metal*

*Family – alkali metal, alkaline-earth metal, halogen, noble gas ---- and actinide or lanthanide*



Element	e <sup>-</sup> Configuration	Period	Group (Roman #)	Block	M / S-M / N-M	MG / TM / IM	Family
Arsenic		4					Halogen
	[Ne]3s <sup>1</sup>		III-A		S-M		
		5	II-B			TM	
Germanium		3			S-M		
	1s <sup>2</sup> 2s <sup>2</sup> p <sup>5</sup>	3					Noble gas
			IV-A		N-M		
Strontium		3		s			Alkaline-earth
		1	I-A				
	[Kr]5s <sup>1</sup> 4d <sup>10</sup>	5	IV-A	p			
		1					Noble gas
Sulfur		4					Alkali metal
		4	IV-B				
Uranium	-----		-----				