

CONCEPT: PERIODIC TABLE: GROUP NAMES

● For the Periodic Table, we can further organize the elements in terms of *Periods* and *Groups*.

□ **Periods:** _____ horizontal rows that start from the far left.

□ **Groups:** vertical columns and are sometimes called _____ or _____.

□ There are _____ Groups with many of them having their own unique name.

□ Because of electron arrangements, elements in the same Group have similar _____ properties.

_____ Metals _____

_____ Metals _____ (Inert) Gases

H																		He
Li	Be											B	C	N	O	F	Ne	
Na	Mg											Al	Si	P	S	Cl	Ar	
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr	
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe	
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn	
Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og	

Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr

EXAMPLE: Which of the following is a metal in the 4th Period?

a) Sodium, Na

b) Strontium, Sr

c) Bromine, Br

d) Calcium, Ca

e) Aluminum, Al

PRACTICE: Which of the following is a metalloid that is also a chalcogen?

a) B

b) Ge

c) Te

d) As

e) Cl