

CONCEPT: PERIODIC TABLE: REPRESENTATIVE ELEMENTS & TRANSITION METALS

- The Groups themselves can be broken down into the **Transition Metals** and **Representative Elements**.
 - **Transition Metals**: The elements found in Groups 3 to 12 with their name symbolizing their varying _____.
 - They are sometimes referred to as the Group _____ Elements.
 - **Representative Elements**: The remaining elements not found in the Groups 3 to 12.
 - They are sometimes referred to as the Group _____ Elements or _____ Group Elements.

	(1)																(18)	
1	H	(2)											(13)	(14)	(15)	(16)	(17)	He
2	Li	Be											B	C	N	O	F	Ne
3	Na	Mg	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	Al	Si	P	S	Cl	Ar
4	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
5	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
6	Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
7	Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og

Transition Metals

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 transition metal in the 5th Period with similar chemical properties to copper, Cu?

- a) Titanium, Ti b) Cerium, Ce c) Silver, Ag d) Oxygen, O e) Zinc, Zn

PRACTICE: Which of the following is a representative element, found in the 3rd Period, that is also a pnictogen?

- a) Na b) P c) Ar d) Mg e) S

PRACTICE: State the element symbol found in the 6th Period and Group 7A.

- a) Rb b) W c) Br d) Kr e) At