CONCEPT: PERIODIC TABLE: REPRESENTATIVE ELEMENTS & TRANSITION METALS

• The Groups	• 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												(13)	(14)	(15)	(16)	(17)	He		
	Li	Be											В	C (14)	N	0	(1/)	Ne		
2																				
3	Na	Mg	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	Al	Si	Р	S	CI	Ar		
4	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Со	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr		
5	Rb	Sr	Υ	Zr	Nb	Мо	Тс	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Те	ı	Xe		
6	Cs	Ва	La	Hf	Та	W	Re	Os	lr	Pt	Au	Hg	ΤI	Pb	Bi	Ро	At	Rn		
7	Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	FI	Мс	Lv	Ts	Og		
Ce Pr Nd Pm Sm Eu Gd Tb Dy Ho Er Tm Yb Lu																				
		_	Į		С	e P	r N	d P	m S	m E	u G	d I	b D	у Н	O E	r T	m)	/b L	.u	
Transition	n Met	tals			T	h P	a L	JN	p P	u A	m C	m B	k C	f E	s F	m N	ld N	No L	_r	
EXAMPLE: Which of the following is a transition metal in the 5 th Period with similar chemical properties to copper, Cu?																				
					J. 1. J.				5 J. I	erioa	with s	siiiiiiai	CHEH							
a) Titanium.	Ti		b) Ce	rium.	Се		c) S			erioa				noui p	•		•	,		
a) Titanium,	Ti		b) Ce	rium,	Се		c) S	Silver,		'erioa)xyger		noar p	•	Zinc,	•	,		
a) Titanium,	Ti		b) Ce	rium,	Ce		c) S			'eriod					•		•			
a) Titanium,						esent		Silver,	Ag		d) C)xyger	n, O		e)	Zinc,	Zn			
		of the f						Silver,	Ag		d) C)xyger	n, O		e) so a	Zinc,	Zn			
PRACTICE: W		of the f	ollowi				ative e	Silver,	Ag		d) C)xyger	n, O		e) so a	Zinc,	Zn			
PRACTICE: W		of the f	ollowi				ative e	Silver,	Ag		d) C)xyger	n, O		e) so a	Zinc,	Zn			
PRACTICE: W	/hich c	of the f	followi P	ng is	a repr		ative e	ilver,	Ag nt, fou	nd in	d) C the 3 ^r d) M)xyger	n, O		e) so a	Zinc,	Zn			