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Nan Reg		Chemistry Chapter 4.1 - 4	 4.2 Worksl	neet									
Tiog.	circs .	Chemistry Chapter III											
1)	What are two properties of <i>most</i> nonmetals?												
	A) high ionization energy and good electrical conductivity												
	B) low ionization energy and good electrical conductivity												
	C)	high ionization energy	_										
	D)	low ionization energy a	ma poor e	iectrical conductivity	y								
2)	As the atoms of the Group 17 elements in the ground state are considered from top to bottom, each successive element has												
	A) the same number of valence electrons and similar chemical properties												
	B) the same number of valence electrons and identical chemical properties												
	C) an increasing number of valence electrons and identical chemical properties												
	D)	an increasing number of	of valence	electrons and similar	r chemical pro	perties							
3)	In Period 3, from left to right in order, each successive element will												
	A) decrease in electronegativity				C)	increase in metallic	character						
		increase in number of p	-		D)	decrease in atomic i	mass						
4)	In which shell are the valence electrons of the elements in Period 2 found?												
7)	A)		B)		C)		D)	4					
	A)	1	B)	2	C)	3	D)	7					
5)	Ger	Germanium is classified as a											
	A)	metal	B)	noble gas	C)	metalloid	D)	nonmetal					
6)	Wł	Which pair of symbols represents a metalloid and a noble gas?											
0)		As and Ar		Si and Bi	C)	Ne and Xe	D)	Ge and Te					
	11)	715 die 711	D)	Si una Bi	C)	TVC unu 7xC	D)	oc and Te					
7)	An	Antimony is classified as a											
	A)	metalloid	B)	noble gas	C)	nonmetal	D)	metal					
8)	Giv	ven: Samples of Na. Ar	. As. Rb										
0)		Given: Samples of Na, Ar, As, Rb											
	(a) Which <i>two</i> of the given elements have the most similar chemical properties?												
	(b) Explain your answer to part (a) in terms of the Periodic Table of the Elements.												
9)	Which element is classified as a noble gas at STP?												
	A)	nitrogen	B)	oxygen	C)	neon	D)	hydrogen					
10)	The element in Period 4 and Group 1 of the Periodic Table would be classified as a												
-/		nonmetal	_	noble gas	C)	metal	D)	metalloid					
	,		,	C	,		,						
11)	On	the present Periodic Ta	ble of the	Elements, the elemen	nts are arrang	_	asing						
	A)	atomic mass			C)	atomic number							
	B)	number of neutrons			D)	number of oxidation	ı states						

	A) iron	B) phosphorus	C)	iodine	D)	sulfur			
13)									
	A) Mn, Hg, Cu	B) Ba, Br, Bi	C)	O, S, Te	D)	Sr, Sn, I			
14)	Which is a property of <i>most</i> nonmetallic solids?								
	A) malleability			brittleness					
	B) high thermal conductivity			high electrical conductivity					
15)	What is a property of most metals?								
	A) They are poor conductors of	C)	They tend to lose electrons easily when bonding.						
	B) They are poor conductors of electricity.			They tend to gain electrons easily when bonding.					
16)	Which element has chemical properties that are <i>most</i> similar to the chemical properties of sodium?								
	A) Mg	B) Cl	C)	K	D)	Se			
17)	In which group of the Periodic Table do most of the elements exhibit <i>both</i> positive and negative oxidation states?								
	A) 7	B) 2	C)	17	D)	12			

12) Which element is malleable and conducts electricity?