Periodic Table: Regents Practice Name _____

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1)	Germanium is classified as a		9)	In Period 3, from left to right in order, each successive	
	A) noble gas	C) metal		element will	
	B) nonmetal	D) metalloid		 A) decrease in atomic B) decrease in electro 	
2)	Which of the following elements	has the highest		B) decrease in electroC) increase in number	
	electronegativity?			D) increase in metallic	-
	A) Al	C) K	10)	,	
	B) Ca	D) H	10)	25°C?	tle, nonconducting solid at
3)	As the elements in Period 2 of th				C D.
	considered in succession from le	-		A) S B) A1	C) Bi D) Br
	decrease in atomic radius with in	-		B) Al	,
	number. This may <i>best</i> be explained by the fact that the		11)	At STP, solid carbon ca diamond. These two for	an exist as graphite or as rms of carbon have
	A) number of protons increases, and the number of shells of electrons increases			A) the same properties and the same crystal structures	
	B) number of protons decrease shells of electrons increases	6		B) different properties structures	s and the same crystal
	C) number of protons increases shells of electrons remains t			C) different properties structures	s and different crystal
	D) number of protons decrease shells of electrons remains t			D) the same properties structures	s and different crystal
4)	Which element has properties of electrical conductivity and luster and exists as a liquid at STP?		12)	The elements in the Periodic Table are arranged in order of increasing	
	A) Br	C) Hg		A) mass number	
	B) C	D) I		B) neutron number	
5)	Based on the Properties of Selected Elements			C) atomic number	
	-	histry reference table, which of the following s requires the <i>least</i> energy for the removal of the		D) atomic radius	
	most loosely bound electron?	for the removal of the	13)	Which of the following	ions has the <i>smallest</i> radius?
	A) Be	C) Br		A) F-	C) Rb ⁺
	B) Sn	D) Sr		B) Cl-	D) K ⁺
6)	As the elements in Group 17 are	,	14)	Which element is malles	able and conducts electricity?
0)	increasing atomic number, the chemical reactivity of			A) sulfur	C) iodine
	each successive element	·		B) phosphorus	D) iron
	A) increases		15)	As the elements in Grou	up 17 on the Periodic Table are
	B) remains the same		,		bottom, what happens to the
	C) decreases				netallic character of each
7)	Which two groups of the Period			successive element?	
	metals that are so active chemically that they occur naturally only in compounds?			character increases	
	A) 1 and 2	C) 2 and 12		,	increases and the metallic
	B) 1 and 11	D) 11 and 12		character decrease	
8)	Which list of elements contains a metal, a metalloid, and a nonmetal?			C) The atomic radius and the metallic character both decrease.D) The atomic radius and the metallic character both	
	A) Zn, Ga, Ge	C) F, Cl, Br		increase.	and the metallic character both
	B) Cd, Sb, I	D) Si, Ge, Sn	16)		t is brittle lacks luston and has
			10)	Element X is a solid that is brittle, lacks luster, and has six valence electrons. In which group on the Periodic Table would element X be found?	
				A) 1	C) 15
				B) 2	D) 16