Deep Run High School

CHEMISTRY I: 1(A), 5(A), 7(A)

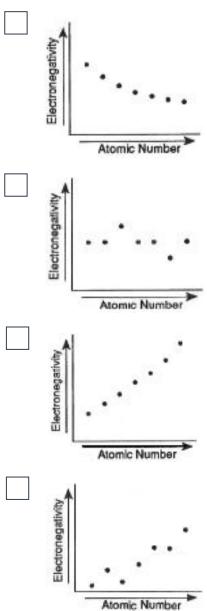
## Unit 4 Quiz

Due Date: November 28, 2018

Instructor: Jennifer Krug

Name:	Score:	/ 100
Question 1		/1
Which of the following elements has the highes electronegativity?	t	
Phosphorus (P)		
Antimony (Sb)		
Nitrogen (N)		
Arsenic (As)		
Question 2		/1
Which chemist organized the modern periodic table, wl on the atomic number of elements?	hich is based	
Neils Bohr		
Henry Moseley		
Ernest Rutherford		
Dmitri Mendeleev		

Which diagram correctly shows the relationship between electronegativity and atomic number for the elements of Period 3?



Name:		
Question 4	4	/1
	pared to the amount of shielding of an oxygen atom, a sphorus atom would have –	
	the same amount of shielding	
	more shielding	
	less shielding	
Question 5	5	/1
Whi	ich of the following trends <u>decreases</u> as shielding	
incre	eases?	
	Ionic Radii	
	Electronegativity	
	Atomic Radii	
	Metallic Properties	

Name:			
Question 6			/1
Which cation will have the la	argest radius?		
☐ Mg <sup>+2</sup>			
Si +4			
Na <sup>+1</sup>			
☐ AI +3			
Question 7			/1
A cation is formed when			
a metal loses electrons			
a nonmetal gains electr	ons		
a metal gains protons			
a nonmetal gains neutr	ons		

Name	:	
Question	8	/1
Whi	ch alkali metal has the highest first ionization energy?	
	K	
	Cs	
	Na	
	Rb	
Question	9	/1
	ch periodic trend is a measure of the energy required to nove a valence electron?	
	Shielding	
	Ionic Radii	
	Electronegativity	
	Ionization Energy	

Name:	·	
Question	10	/1
	ich sequence of elements is arranged in order of easing ionization energy?	
	Cl, S, P	
	Al, Mg, Na	
	Li, C, F	
	O, S, Se	
Question	11	/1
Whi met	ch of the following is an example of a chemical property of als?	
	Conductivity	
	Reactivity	
	Appearance	
	Malleability	

	Name	:	
Qı	uestion	12	/1
	Whi	ch group of the periodic table has the most reactive metals?	
		Transition Metals	
		Halogens	
		Alkali Metals	
		Metalloids	
Qı	uestion	13	/1
		ch chemist organized the first periodic table based on rage atomic mass?	
		Neils Bohr	
		Henry Moseley	
		Ernest Rutherford	
		Dmitri Mendeleev	

Name:	
Question 14	/1
As you go down a group of the periodic table, the atomic radii increases due to	
Electron-electron repulsion	
Nuclear Force	
Gravity	
Shielding	
Question 15	/1
Which of the following elements has the largest atomic radius?	
Potassium (K)	
Cesium (Cs)	
Sodium (Na)	
Rubidium (Rb)	