	Chemistry Chapter 3.3 Elect	ron Configuration				
1)	As an atom becomes an ion, its mass number					
	A) decreases	B) increas	ses	C)	remains th	e same
2)	An oxide ion (O ² -) forme	ed from an oxygen-18 atom conta	ins exactly			
	A) 8 protons, 10 neutrons, 8 electronsB) 10 protons, 8 neutrons, 8 electrons		_	8 protons, 10 neutrons, 10 electrons 8 protons, 8 neutrons, 10 electrons		
3)	What is the total numbe	r of electrons found in an atom o	f sulfur?			
	A) 8	B) 32	C) 6		D)	16
4)	When a lithium atom forms an Li ⁺ ion, the lithium atom					
	A) loses a protonB) loses an electron		_	ns a proton ns an electron		
5)	What is the electron configuration of a sulfur atom in the ground state?					
	A) 2-6	B) 2-4	C) 2-8	-4	D)	2-8-6
6)	How many electrons are	in an Fe ²⁺ ion?				
	A) 56	B) 28	C) 24		D)	26
7)	What is the total number of electrons in a Cu ⁺ ion?					
	A) 36	B) 30	C) 28		D)	29
8)	Which electron configuration is correct for a sodium ion?					
	A) 2-8-1	B) 2-8-2	C) 2-8		D)	2-7
9)	Which ion has the same electron configuration as an atom of He?					
	A) O ² -	B) Ca ²⁺	C) H		D)	Na ⁺
10)	What is the total number of electrons in the valence shell of an atom of aluminum in the ground state?					
	A) 8	B) 2	C) 3		D)	10
11)	Which symbol represents a particle that has the same total number of electrons as S ² -?					
	A) Se ² -	B) Si	C) Ar		D)	O ² -
12)	How many electrons are	contained in an Au ³⁺ ion?				
	A) 197	B) 79	C) 76		D)	82
13)	What is the total number of electrons in a Cr ³⁺ ion?					
	A) 27	B) 18	C) 24		D)	21
14)	What is the total number of electrons in the outermost shell of a phosphorus atom in the ground state?					
	A) 1	B) 2	C) 3		D)	5