Atomic Structure Review

1.	Name the type of electromagnetic radiation that has the highest					
	a) waveler	ngth.				
	b) frequen	icy.				
	c) energy.					
2.	Name the t	ype of visible l				
	a) waveler	ngth.				
	b) frequen	icy.				
	c) energy.					
3.	. Put the following types of electromagnetic radiation in order from highest frequency lowest frequency.					
	Yellow	Infrared	Blue	Radio	Ultraviolet	Microwave
4.	Put the following types of electromagnetic radiation in order from lowest energy to energy.					
	Green	X-rays	Gamn	na Rays	Radio	
5	Ном тапу	electrons can f	fit in each of t	the following	orbitals?	
3.		ciccions can i	it iii cacii oi (ine following	oronais!	
	a) 1s					
	b) 2 <i>p</i>					
	c) 3 <i>d</i>					
	d) 4f					

6.	Draw the energy level diagram for each of the following elements, showing all appropriate energy levels and appropriate electron spins.					
	a)	Sc				
	b)	N				
	c)	Cu				
7.	Def	fine				
	a)	ionization energy.				
	b)	electronegativity.				

	a) Atomic Radius
	b) Ionic Radius
	c) Ionization Energy
	d) Electronegativity
9.	Explain what happens to each of the following as you move down a group.
	a) Atomic Radius
	b) Ionic Radius
	c) Ionization Energy
	d) Electronegativity

8. Explain what happens to each of the following as you move from left to right across a period.