	EL	.ECTR	OMAGNETIC	SPECTRUM F	PRACTICE		
				search to answer th			
				naps/63-the-electro			
Fill ii	n the blanks for the followin	•					
	Ultraviolet rays						
	Electromagnetic spect	rum l	ntrared waves	Radio waves	Frequency	Gamma rays	
1.	The represents the range of different forms of electromagnetic waves and are used to communicate through WI-FI.						
2	a	nd	are used to communicate through WI-FI.				
3. I	Heat radiation, also know your skin.	n as	s, cannot be seen by your eyes but can be felt by				
4	a	nd	can be used to communicate with satellites.				
	Because have the highest energy of al electromagnetic radiation, they						
are the most damaging to human tissue.							
	Even though they can't kill you, can be dangerous to pregnant women due						
	to the fetus inside of them.						
	an electromagnetic wave has a low frequency, it will also have a long						
8. (Compared to all other types of electromagnetic radiation, radio waves have the lowest						
9 /	An overexposure to can result in sunburns and skin cancer.						
	The only part of the electromagnetic spectrum that humans can see is						
10.	The only part of the election	romagne	one speed and the	at Hamans can see	15	<u> </u>	
	ch the kind of Electromag	gnetic R	adiation (on the	left) likely to be us	ed in each of th	e following	
lecri	chnologies (on the right) Wave Type Technology						
	11. X rays	А					
	12. Microwaves	В	Use in doctors and dentist offices to see past a person's skin and muscles				
	13. Gamma rays	С	Cell phone				
	14. Radio waves	D	Lamp used to	warm a baby chick			
	15. Infrared waves	Е	Used by an on	cologist (doctor wh	no studies and tr	reats cancer.	
	at are the differences bet				ic radiation?		
16.\	Which has a longer wavel	ength –	visible or intrare	d radiation?			

19. What happens to the wavelength and frequency as you move from radio waves to gamma rays on the

17. Which contains more energy – visible or infrared radiation?

18. Which has a higher frequency – visible or infrared radiation?

electromagnetic spectrum?

Name_

Period_