Simple State of the State of th	Name	Per
Modern At	TOMIC THEORY PART 2	
1. What is wavelength? amplitude? frequency? 7: distance from Crest to crest of a: hairs height of wave		
f = # of waves that pass a point. 2. List the colors of visible light in order of increa	sing energy.	Social Asi
ROYGBV		
3a. Label the following wave diagrams with waveb. Which of the waves has a higher frequency?c. Which of the waves has a lower energy?	elength and amplitude.	
		√
lower energy	A a vyavalanath gata ah	ible required
4. As wavelength gets shorter, frequencyivice	As wavelength gets sh	oner, energy
5. Describe the Bohr model of the atom. - placed c: in a ring erwood nod. 6. What is the difference between a bright line spectra? 6. What is the appearance of bright line spectra? BL-district colors (randow) 7. What is the electromagnetic (EM) spectrum? What is the electromagnetic (EM) spectrum? What is the electromagnetic (EM) spectrum? What is the electron movement between energy 8. Explain how electron movement between energy	ctrum and a continuous spectrum - electrons recicle encre colory levels, as e-f Colored light is emitted /hat is the highest energy wave? Utraviolet, X-ray, gam.	by, burner to higher all back down, cd Lowest? maray
9. Consider this diagram of an atom with arrows re	epresenting electron movement.	
A B C	•	
Which two arrows correspond to energy absorp Which two arrows correspond to energy emission of the produced by the movine of the produced by the produced	on by the atom? AC	rrow represents emission of