Nameanswer key	Da	te
ARRANGEN	MENT ELECTRON	I IN ATOMS
1. In what way does the photometric Answer the following que In order for an electron to	the following questions in the space protoelectric effect support the particle the estions in the space provided! be ejected from a metal surface, the elect the minimum energy needed to know the space provided to the electric state.	eory of light?
an atom? When an atom loses energ frequency of the emitted limeasured. The energy of the frequency of each of the frequency of the emitted limits and the emitte	s of the atom be determined by measurey, it falls from a higher energy state to ight, observed in an element's line-emiseach transition is calculated using the ehe lines in the element's line-emission he energy levels of an atom atom of ea	a lower energy state. The ission spectrum, may be equation E = hv, where v is spectrum. From the
transition than does radiat Energy is proportional to	c radiation in the ultraviolet region reption in the infrared region? frequency, and ultraviolet radiation has duce ultraviolet radiation, electrons muduce infrared radiation.	s a higher frequency than
	ween the ground state and the excited a west energy state of the atom. When the gy state, or excited state.	
	s can an atom emit a photon? an atom moves from an excited state t c.	o its ground state or to a