CHEM1101 2	2005-J-6	June 2005	
• Calculate the energy (in J) and wav associated with an electronic transit	The relength (in nm) expected for tion from $n = 4$ to 3 in the B	r an emission <sup>4+</sup> ion.	Marks 3
Energy =	Wavelength =		
• Describe how EITHER the <i>photoel</i> contributed to the development of c	ectric effect OR the visible s quantum mechanics.	pectrum of hydrogen	2