• Ozone in the upper atmosphere absorbs light with wavelengths of 220 to 290 nm. What are the frequency (in Hz) and energy (in J) of the most energetic of these photons?		Mark 6
Frequency:	Energy:	
molecule. The average bond en	backbone of nearly every organic and biological ergy of the C–C bond is 347 kJ mol^{-1} . Calculate the energetic photon that can break this bond.	
	Wavelength:	
Compare this value to that absor layer to prevent C–C bond disru	rbed by ozone and comment on the ability of the ozon ption.	ıe