5	(a)	State one property of electromagnetic waves that is not common to other transverse waves.									
				••••						[1]	
	(b)	The seven regions of the electromagnetic spectrum are represented by blocks labelled A to G in Fig. 5.1.									
		visible region									
		•									
			A	В	С	D	E	F	G		
		wavelength decreasing —									
		Fig. 5.1									
		A typical wavelength for the visible region D is 500 nm.									
		(i) Name the principal radiations and give a typical wavelength for each of the regions B, E and F.									
		B: name: wavelength: m									
		E: name:									
		(ii) Calculate the hequency corresponding to a wavelength of coordin.									
	frequency =										
									Hz [2]		
	(c)										
										[2]	