## THE CONCEPT OF QUANTA



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1900 - Max Planck is suggested that the energy of EM waves is quantised: E=hf tin a black body:  $\cdot$  short  $\lambda$  have high f so emitters need more energy to even <u>begin</u> emitting Em waves of short ?! . This solved ultraviolet cotashrophe. ParE 4 His predictions matched observations Other parts of course in this chapter. Please use seperate note sheets · concept of photons · photoelectric effect · Einstein's photoelectric equation · stopping potential