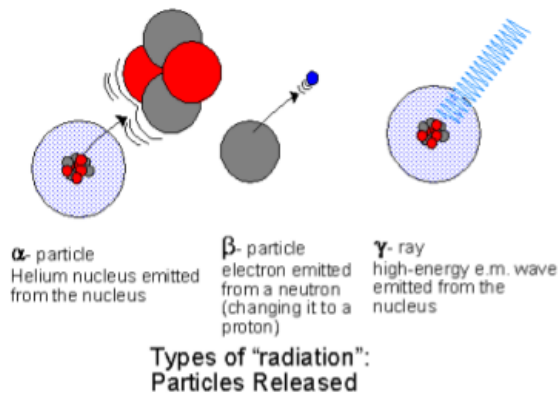


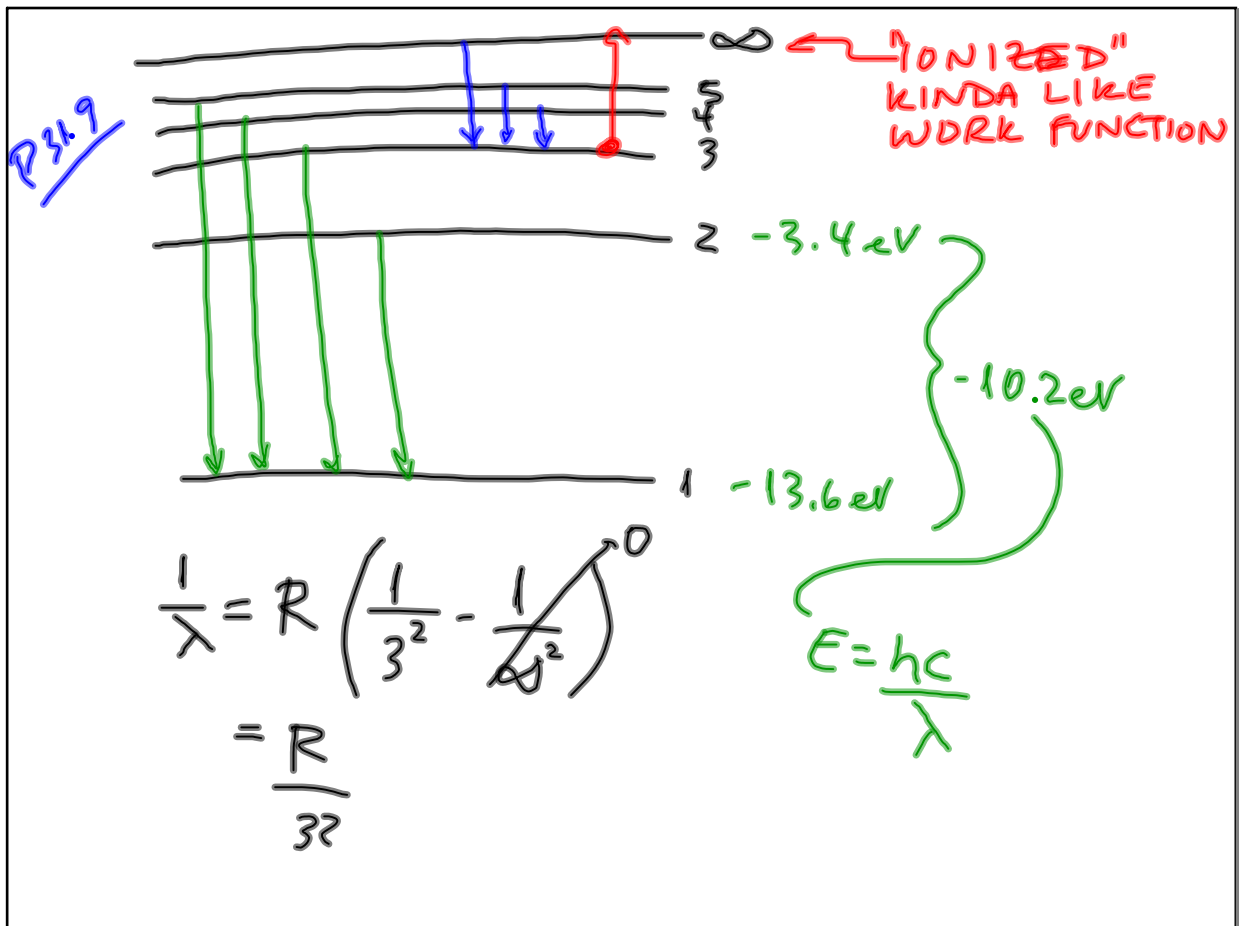
Any Qs on HW?

HW Quiz (20 minutes)

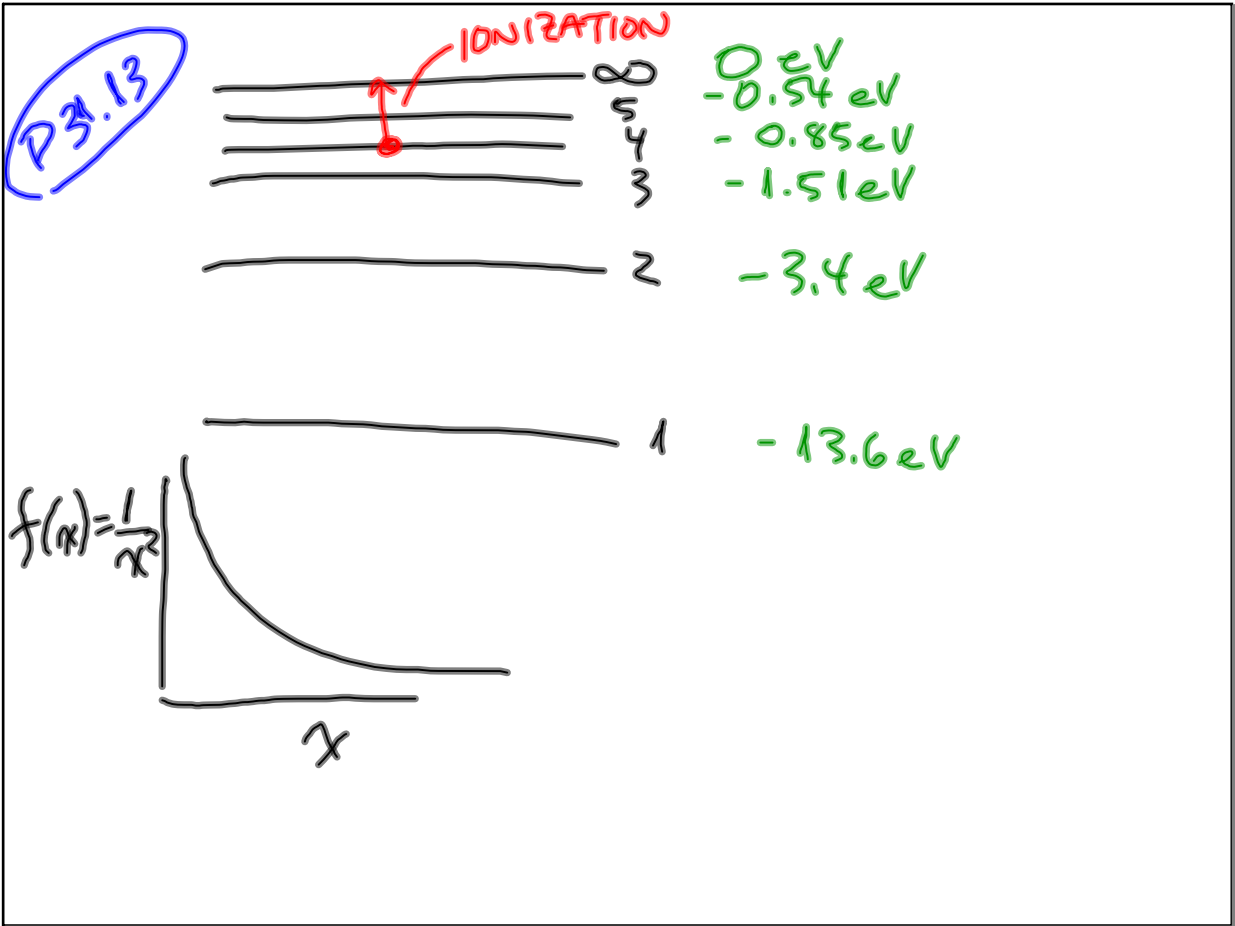
Lecture: The Rise and Fall of the Nucleus (mostly the Fall)



Mar 18-12:38 PM






Mar 18-1:06 PM



Mar 18-1:10 PM

CHAP 32 NUCLEAR PHYSICS

3 TYPES OF RADIATION

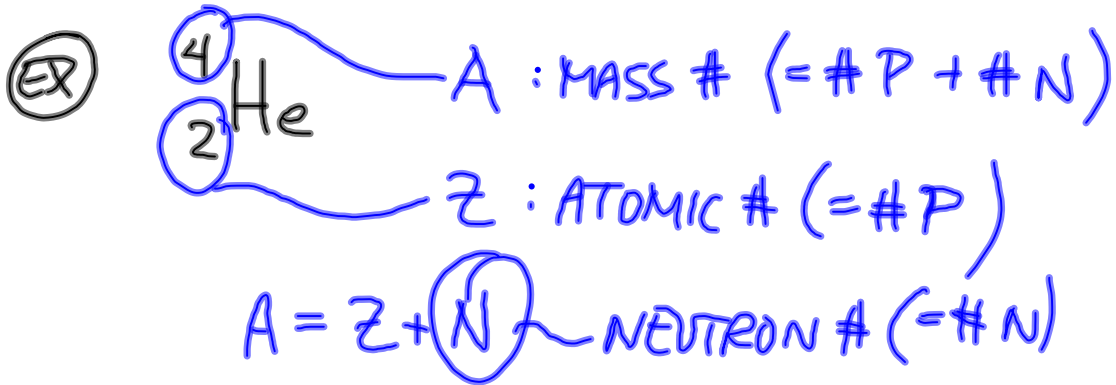
- α - WEAK, PARTICLE (2 PROTONS, 2 NEUTRONS) 
- β - STRONGER, PARTICLE (He NUCLEUS, ELECTRON OR POSITRON) 
- γ - STRONGEST, WAVE (HIGH FREQUENCY) PHOTON 

Mar 18-1:16 PM

REVIEW OF NUCLEUS

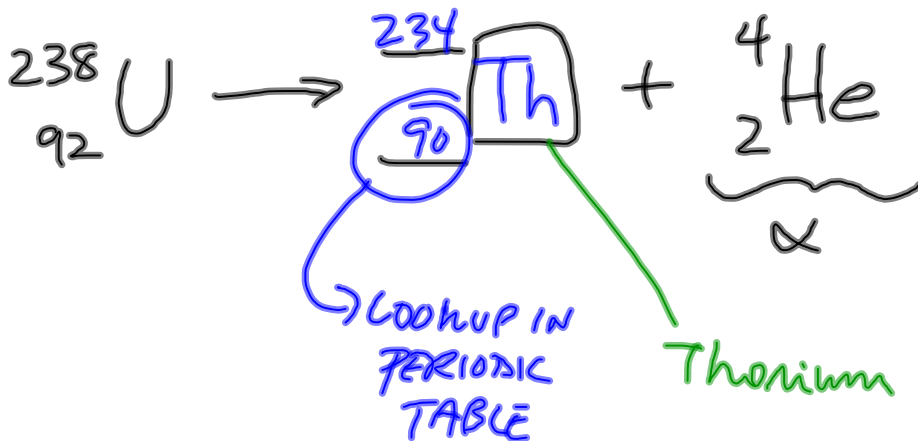
MADE OF PROTONS & NEUTRONS

OF PROTONS DETERMINES ELEMENT



Mar 18-1:54 PM

WHAT HAPPENS? α RADIATION



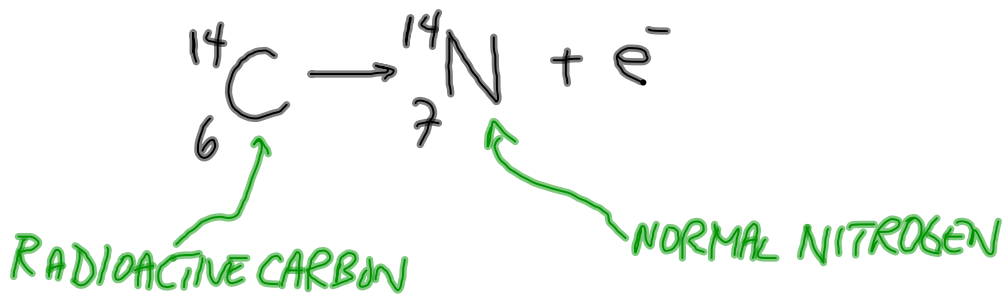
Mar 18-1:57 PM

HOW ABOUT β RADIATION?

- ONE NEUTRON BECOMES A PROTON AND AN ELECTRON
- HERES THE NOTATION: A "β RAY"



EXAMPLE



Mar 18-3:17 PM