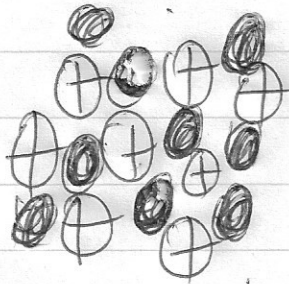


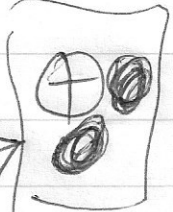
10/30
#1

Isotope Chart

- Above A.N. 85, the isotopes are mostly radioactive.
- Above A.N. 20 isotopes start to have more neutrons relative to protons.



Neutrons are like referees
they allow positive protons
to be together in the
nucleus.

Over 20 pt \rightarrow  it could take
2 n^o to 1 p^t

10/30 #2

What are nuclear reactions?

radioactivity — spontaneous release of energy from an unstable nucleus.

radiation — energy released when an unstable atom spontaneously ~~dec~~ decays.

Three types of radiation

- ① alpha α
- ② beta β
- ③ gamma γ