

Ch 19

Would you expect N-18 to be radioactive?

If so, what decay series might make it stable?

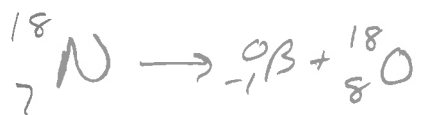
${}^{18}_7\text{N}$  → not stable

→ most of the  $A < 20$  have proton = neutrons

- N-18 has 7 protons and 11 neutrons

↳ needs to lower neutrons + increase protons

↳ Beta decay



stable w/ even # of p (8)  
even # of n (10)