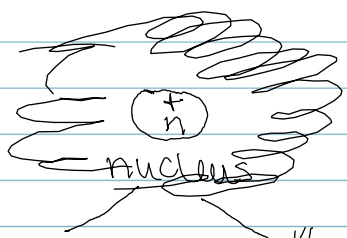
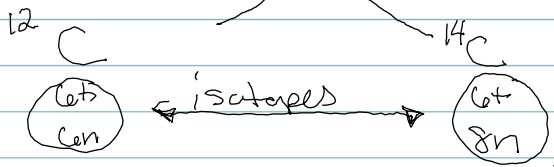


19.1 Radio activity

Parts of the atom



electron clouds
"empty space"
quantized
valence - core
"outermost"



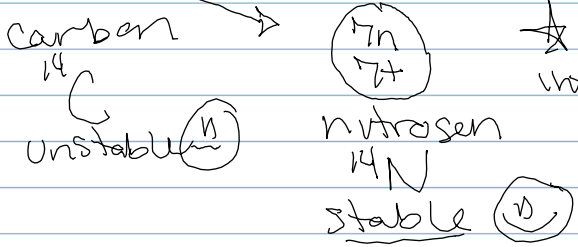
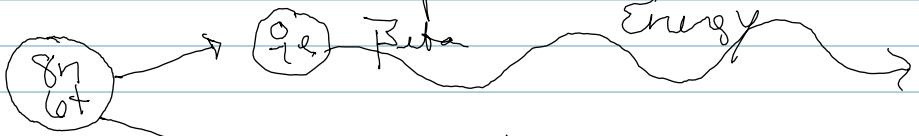
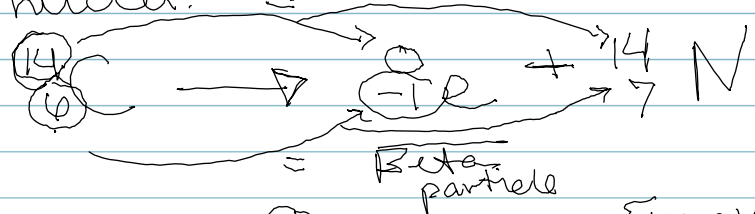
stable
Lvl
⊕ : ⊖

unstable

Radioactive decay

spontaneous decomposition of the nucleus to form a more stable nuclei.

1a



★ Neutron decomposes into a ⊕ and ⊖

5730yr = $\frac{1}{2}$ ^{14}C