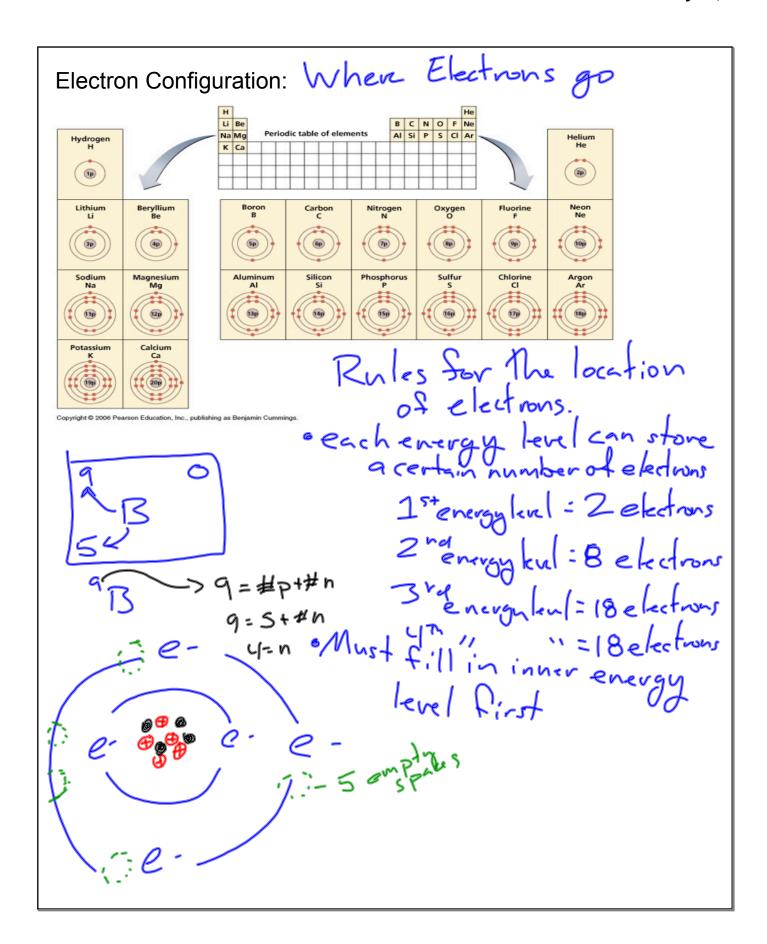
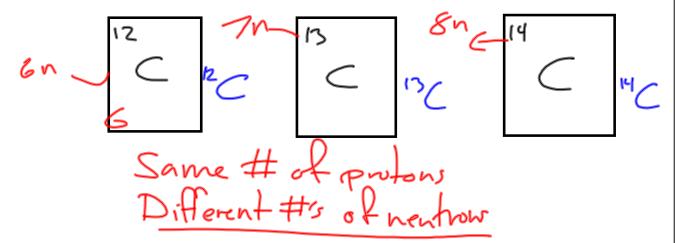
```
Proton: In the nucleus + charge mass: 1.673 x 10<sup>-24</sup> nmass: 1.673 x 10<sup>-24</sup> nmass: 1.675 x
```



Isotopes: Atoms of one elements that have different mass numbers.



As the number of protons in an atom increases, the number of neutrons must increase in order to have a stable atom.

## Ton: An atom with a net charge

(positive or negative)

Different numbers of protons and electrons

Cations: Positively charged atom (In)
great Cations: Positively charged Atom (In)
more protons then electrons

onrows
make you
cry Megatively charged Ions
more electrons then protons

(2)

(2)

(2)

(4)

(4)

(4)

(4)

Mass#
The mass af
a particular Atom Atomic = # of probont of all of the # of nentrons 12.011 marit 31 newhors=16 Atomic # =? clement = ? mass# = #p +#n 31=#p +16 -16 15=#P : Phosphorous

