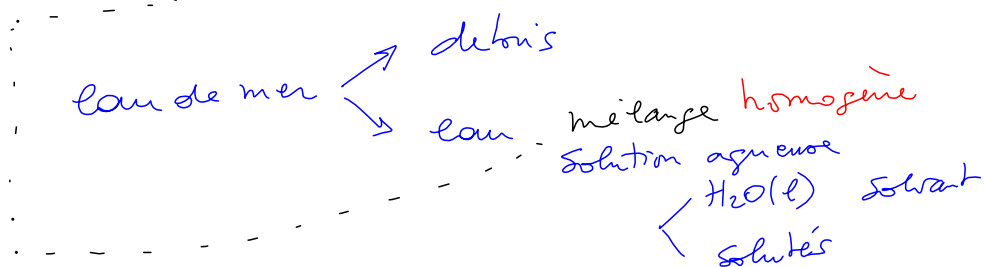


Atome

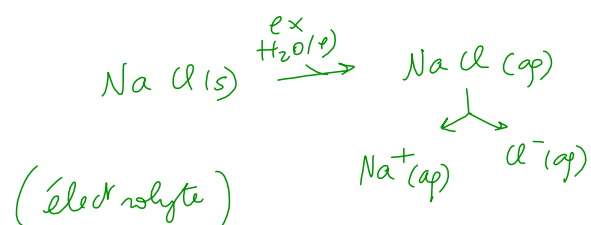
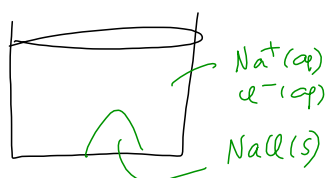
- Matière
- liaisons
- Dissociation

août 17-10:06

filtration → séparation
..... mélange hétérogène



! solubilité (SATURATION)



août 17-10:24

CORPS PURS

SIMPLE $C(s)$ $Hg(l)$ $O_2(g)$
 (allotrope) diamant 'graphite
 COMPOSÉ $H_2O(l)$

MELANGES

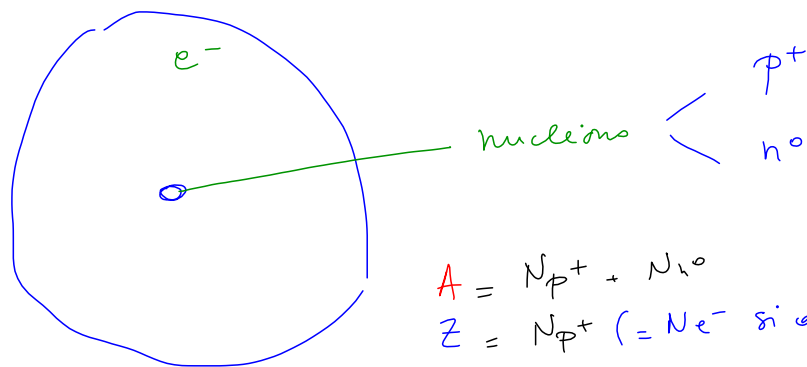
hétérogènes
 homogènes < solution gazeux
 air
 $N_2(g)$
 $O_2(g)$
 $CO_2(g)$
 $H_2O(g)$

août 17-10:44

Structure de l'atome

particules subatomiques

Bohr



$$\begin{matrix} A \\ Z \end{matrix} \times$$

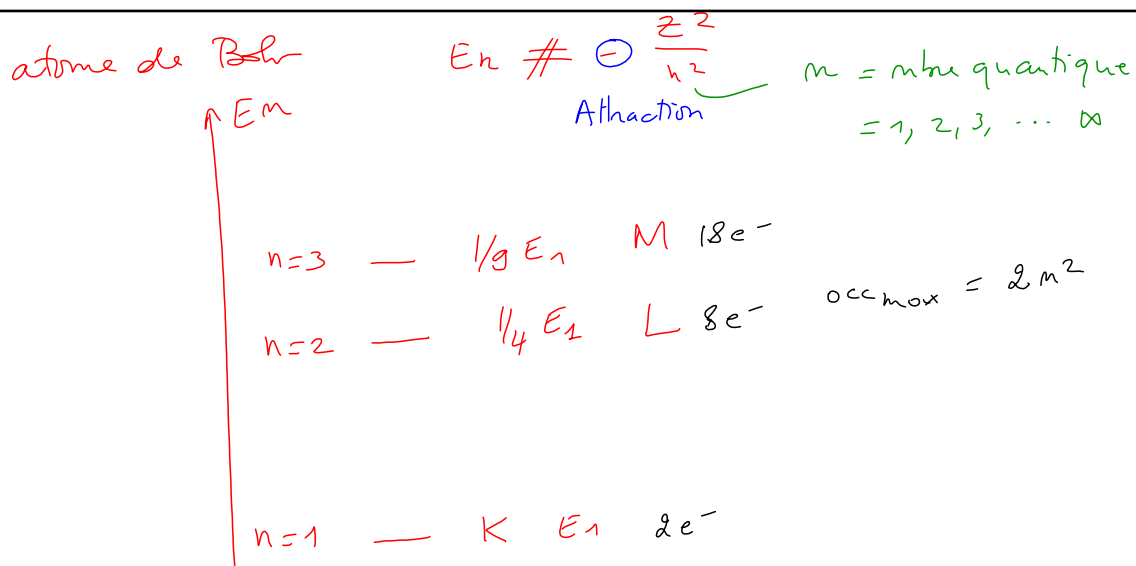
$$A = N_{p^+} + N_{n^0}$$

$$Z = N_{p^+} (= N_{e^-} \text{ si } q=0)$$

ex

 $^{12}_6C$ nucléide N_p, N_n, N_e fixe

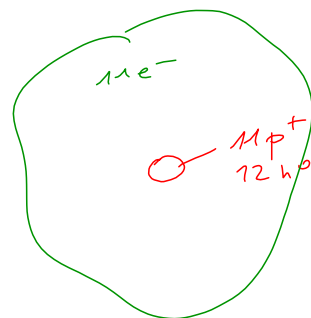
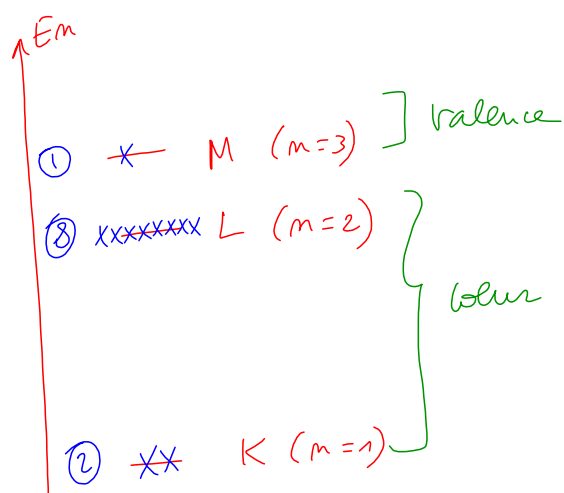
août 17-10:58



août 17-11:27

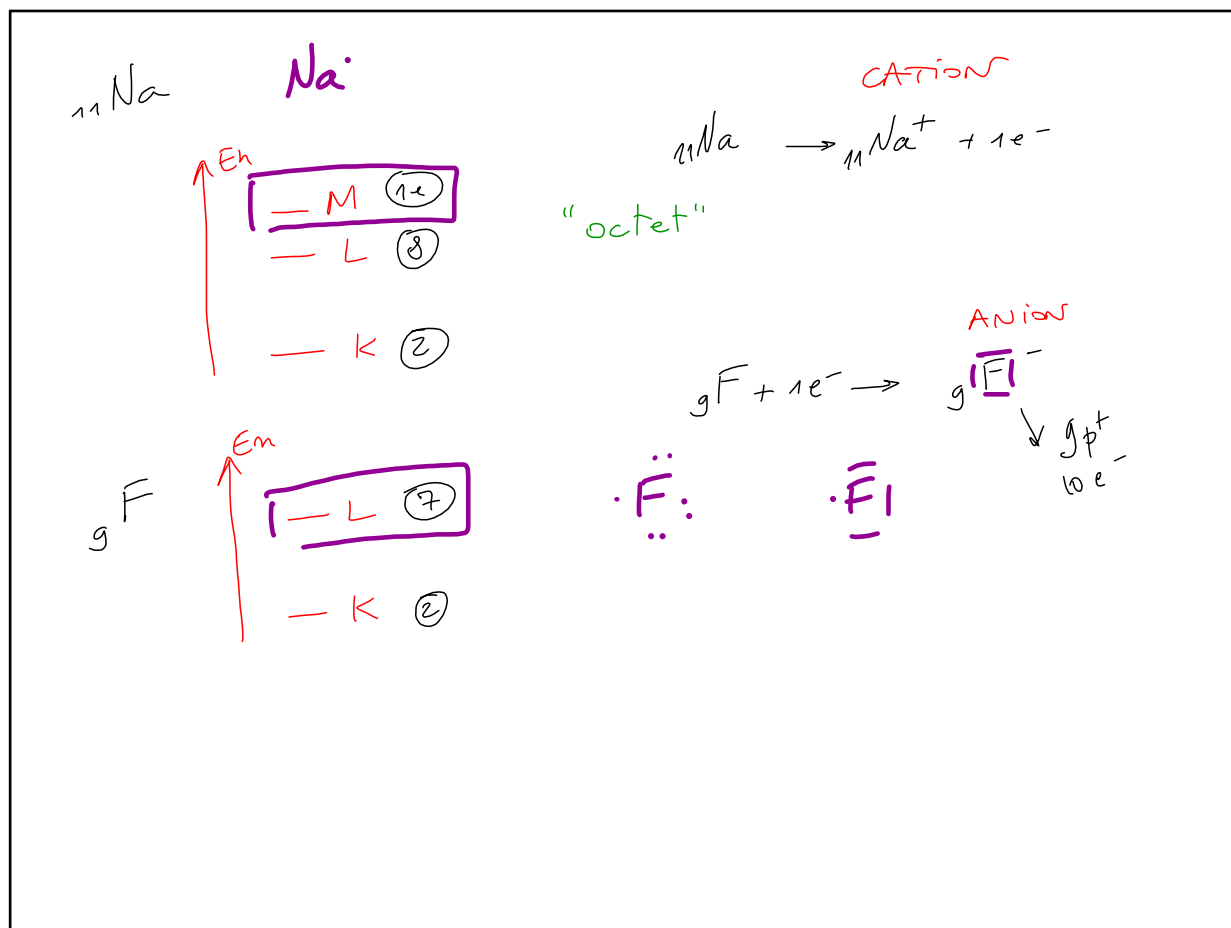
$^{23}_{11}\text{Na}$ (monoisotopique)

$Z = N_p^+ \equiv N_e^-$ (atome) $11e^-$

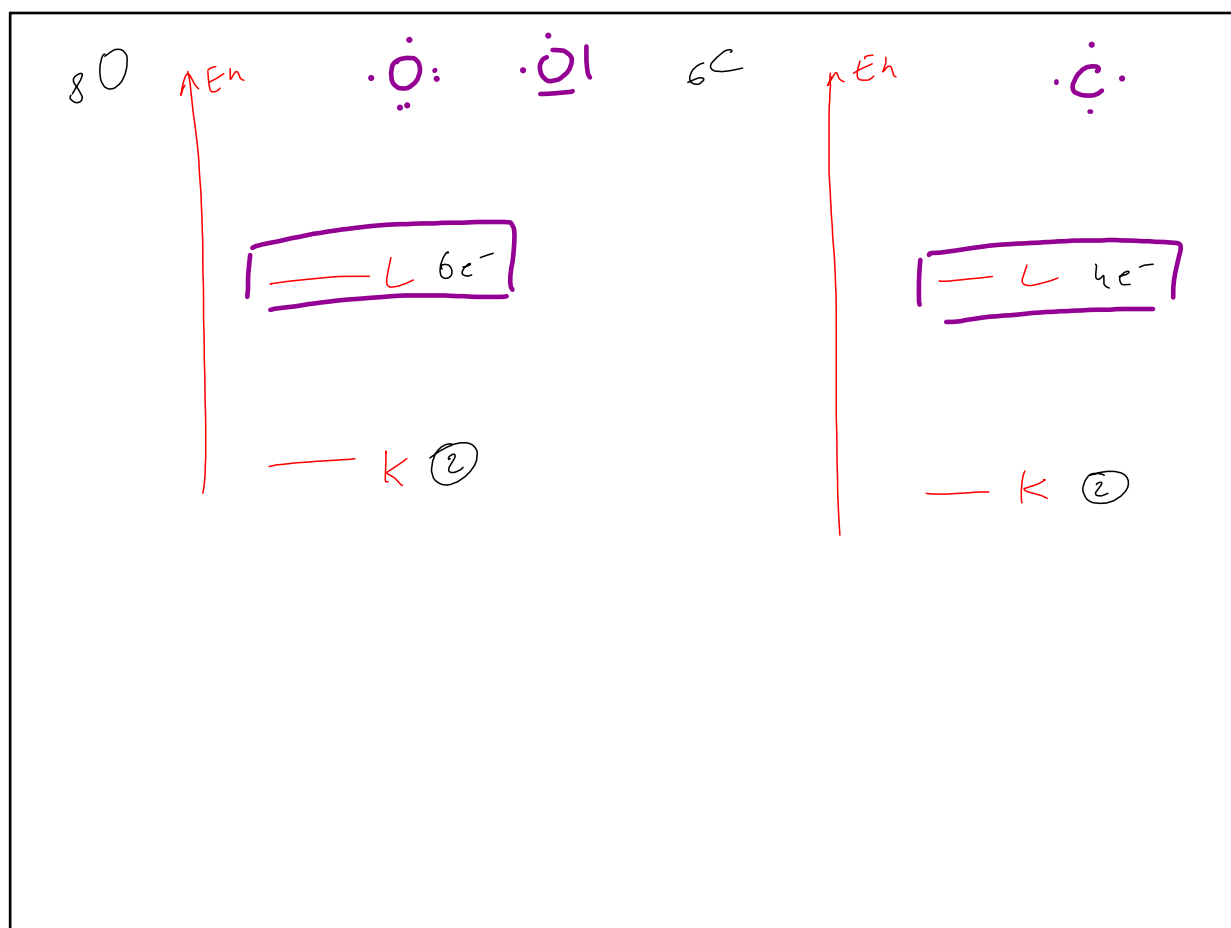


$^{11}\text{Na}^\cdot$ (Lewis)

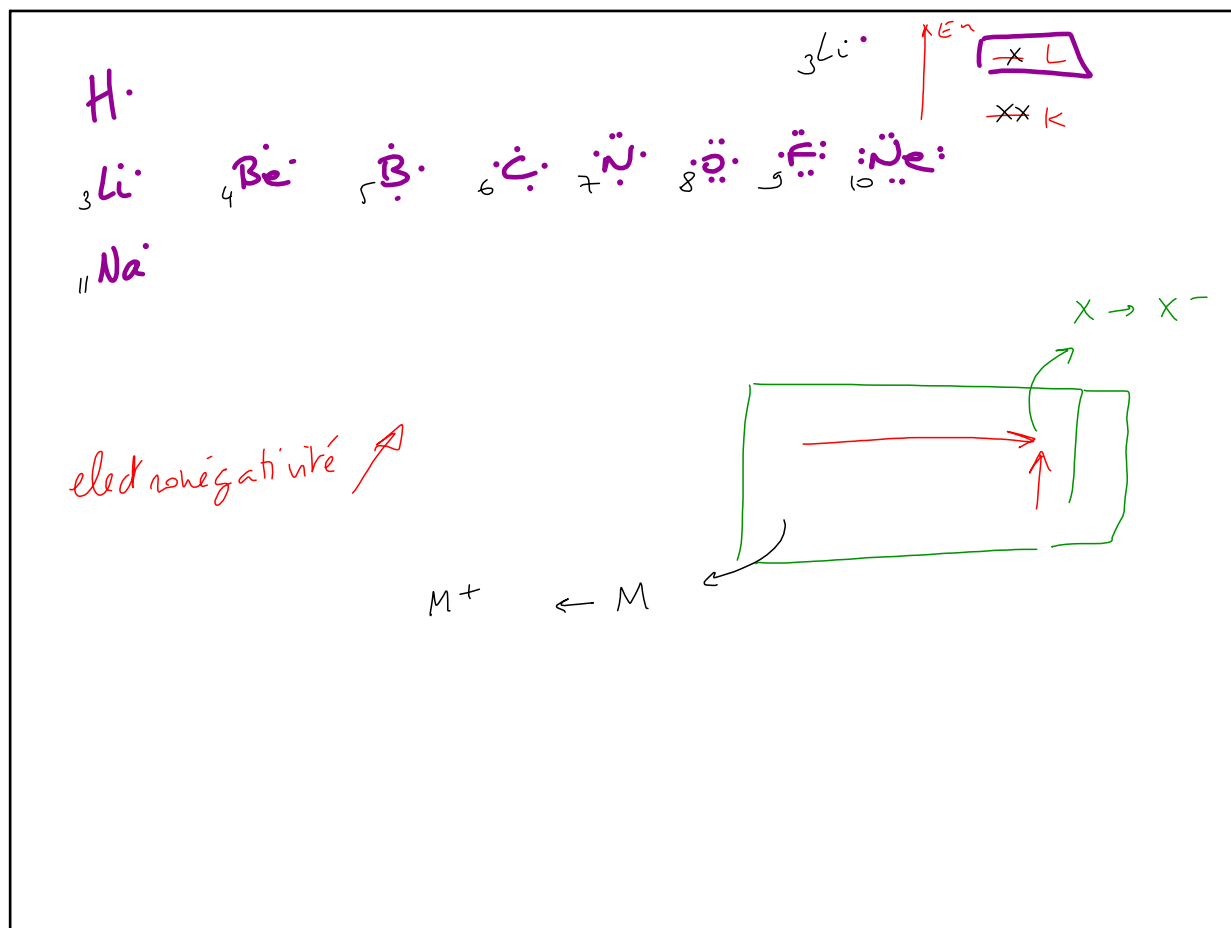
août 17-11:46



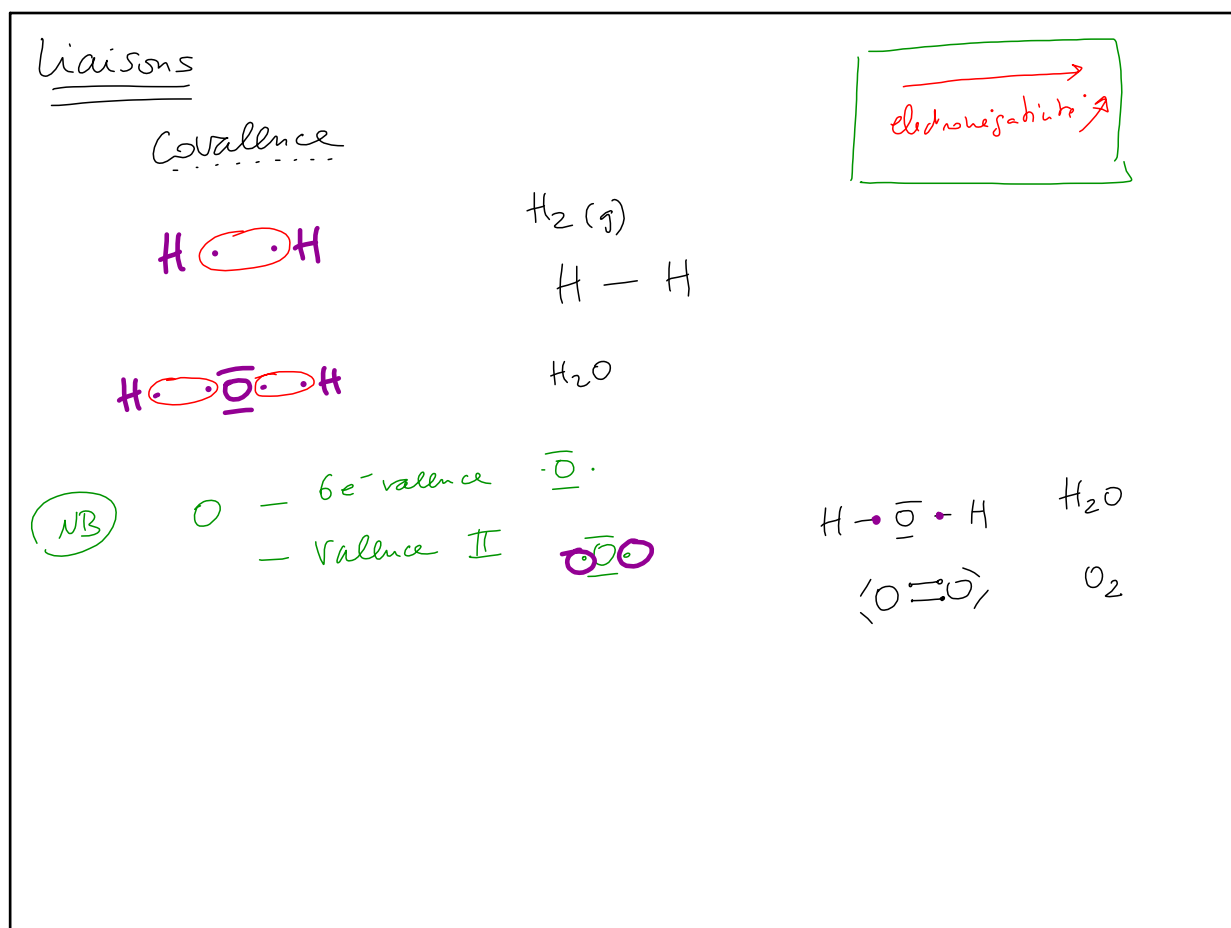
août 17-11:57



août 17-11:53



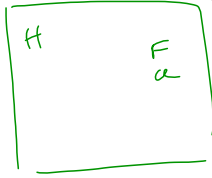
août 17-12:05



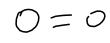
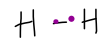
août 17-12:11

Covalence

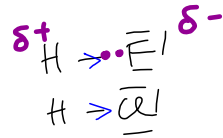
normale


 $\cdot \cdot \cdot$ 7e valence
valence I


parfaite



polarisée



août 17-12:22