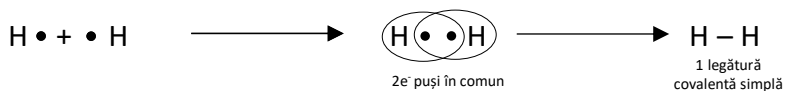


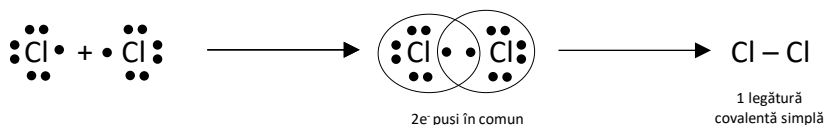
Legătura covalentă

Formarea moleculelor:

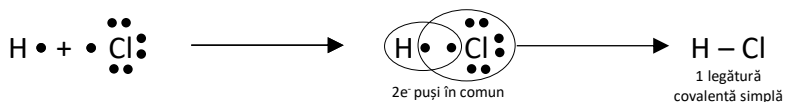
Molecula de hidrogen - H₂:



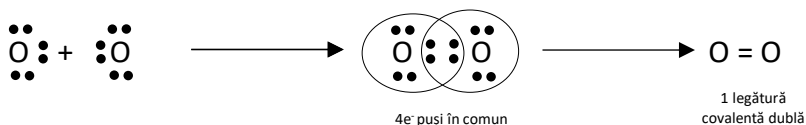
Molecula de clor - Cl₂:



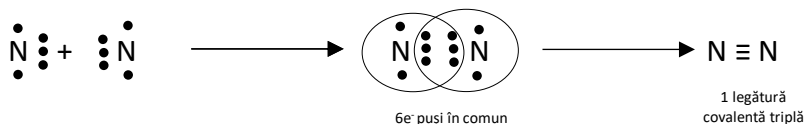
Molecula de acid clorhidric - HCl:



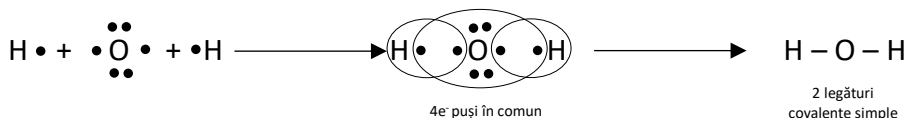
Molecula de oxigen - O₂:



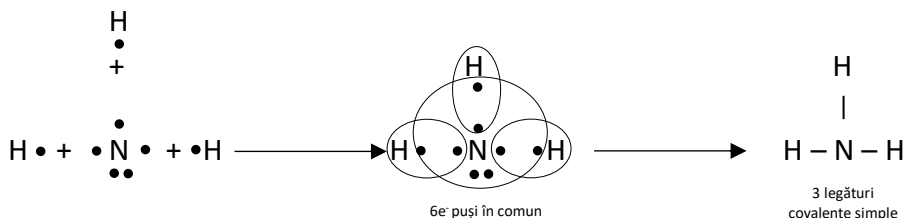
Molecula de azot - N₂:



Molecula de apă - H₂O:



Molecula amoniac - NH₃:



Se realizează prin punere în comun de electroni între atomi identici sau diferiți ai nemetalelor, rezultând molecule.

Sunt formate din molecule:

- Unele nemetale: H₂, O₂, Cl₂, N₂, P₄, S₈;
- Oxizii nemetalici: CO, CO₂, SO_x, NO_x, SiO₂;
- Acizii: HCl, H₂SO₄, HNO₃ etc;
- Majoritatea substanțelor organice.