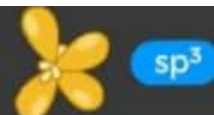




HYBRIDISATION



ANALOGY FOR HYBRIDISATION



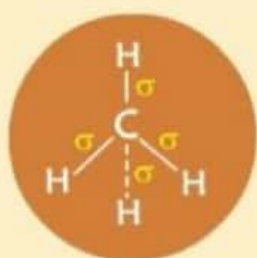
Four different sized mud balls combine to form four equal sized balls.



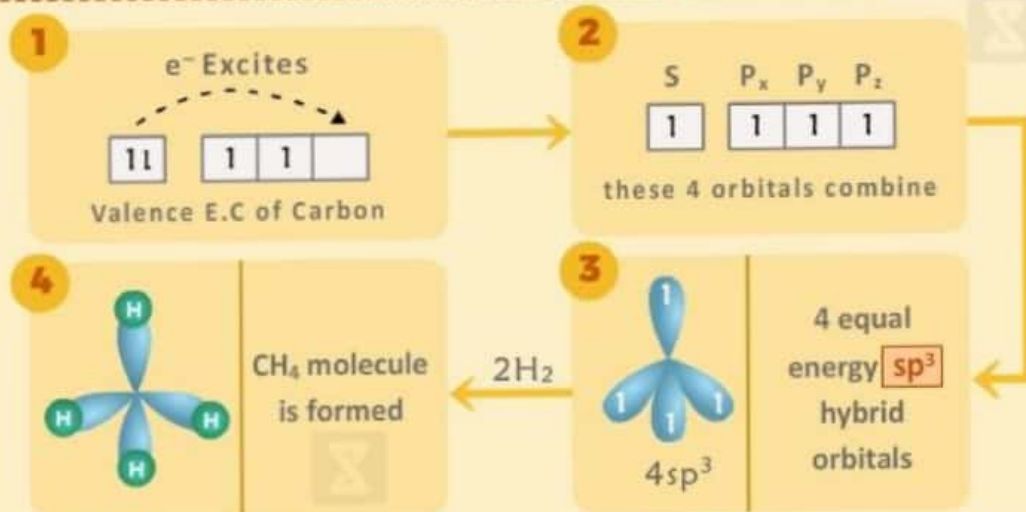
Similarly, orbitals of different energy combine to form equal energy orbitals.

HYBRID ORBITALS ARE USED IN FORMING SIGMA BONDS

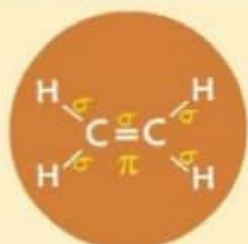
Formation of CH_4



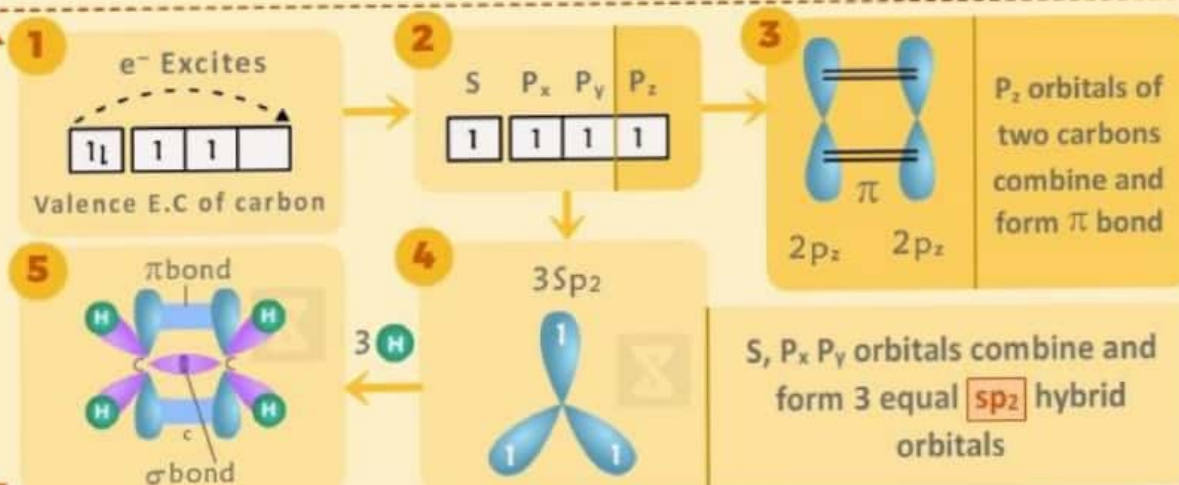
Here carbon needs to form 4 sigma Bonds.



Formation of C_2H_4



Here each carbon needs to form 3 sigma and 1 pi Bonds.



Formation of C_2H_2



Each carbon needs to form 2 sigma and 2 pi Bonds.

