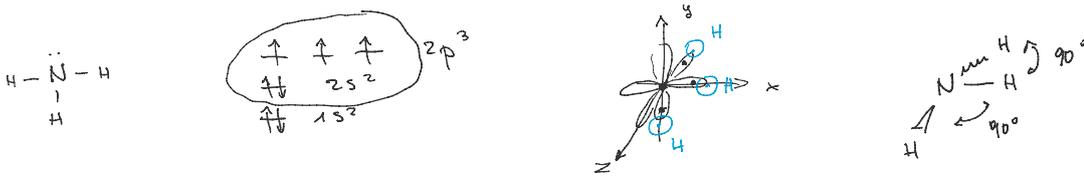
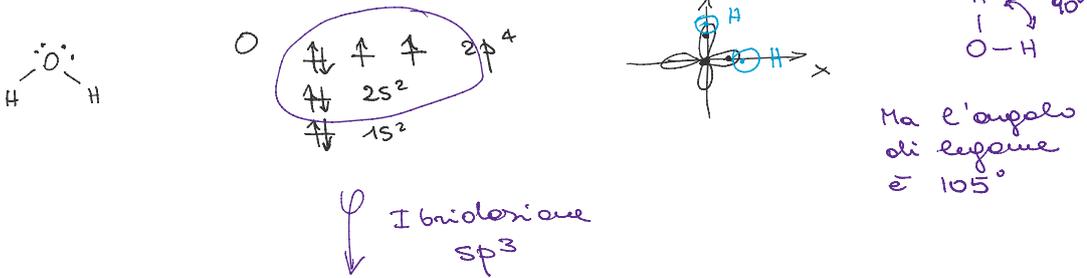
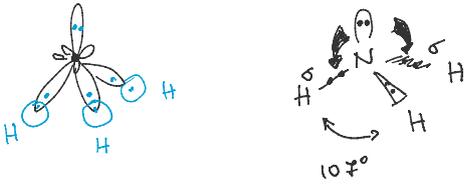


IBRIDAZIONE sp^3 PER N (NH_3) e O (H_2O)



Angoli di legame reali nelle molecole $NH_3 = 107^\circ$

Ibridazione sp^3 $\uparrow\downarrow \uparrow \uparrow \uparrow$ 4 orbitali di tipo sp^3



$\uparrow\downarrow \uparrow\downarrow \uparrow \uparrow$ orb. sp^3



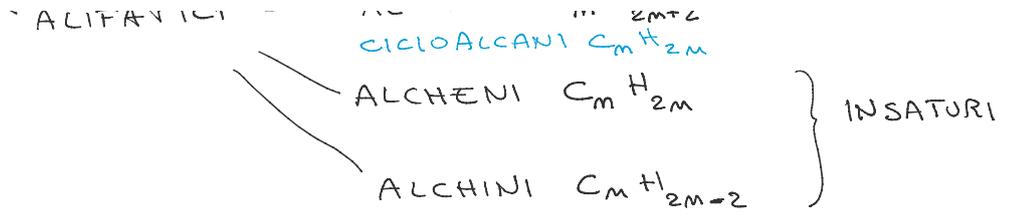
BF_3 sp^2

$BeCl_2$ sp

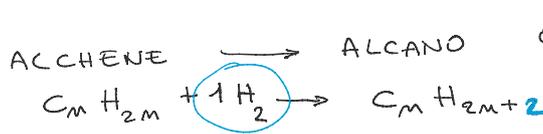
IDROCARBURI

Solo H + C



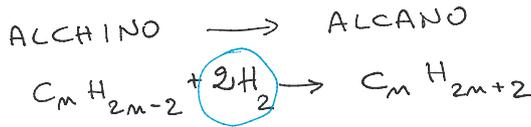


GRADI DI INSATURAZIONE



Quanto H_2 serve?

1 molecola di $H_2 \Rightarrow$ 1 GRADO DI INSATURAZIONE



Dovuto alla presenza del doppio legame ($HC=CH_2$)

2 molecole di $H_2 \Rightarrow$ 2 GRADI DI INSATURAZIONE

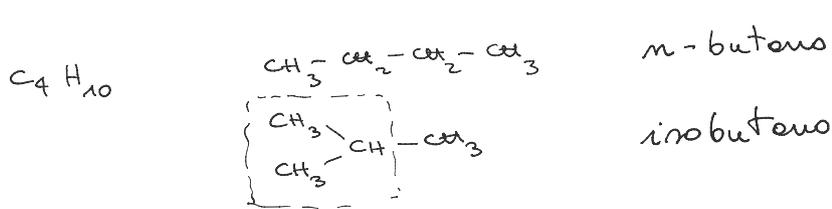
Dovuti alla presenza del triplo legame ($H-C\equiv C-H$)

\rightarrow ALCANO

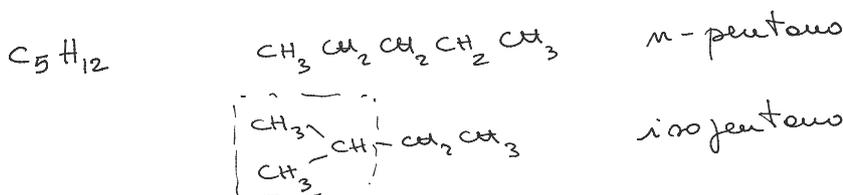
ALCANI o PARAFFINE (poco reattivi) $C_n H_{2n+2}$

Tutti: C sp^3

		RADICE	DESINENZA	
m=1	CH_4	Met	ANO	Met = 1 atomo di C
m=2	C_2H_6	Et	ANO	Et = 2 C
m=3	C_3H_8	Prop	ANO	Prop = 3 C
m=4	C_4H_{10}	But	ANO	But = 4 C
m=5	C_5H_{12}	Pent	ANO	
m=6		Es	ANO	
m=7		Ept	ANO	
m=8		Ott	ANO	
m=9		Non	ANO	
m=10		Dec	ANO	



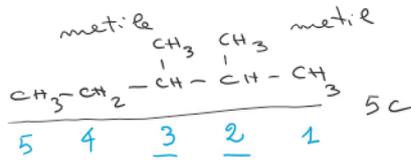
Hanno ugual formula brute
 \Downarrow
Sono ISOMERI



nella catena principale
metil pentano

③ Numerare la catena principale in modo che il sostituyente abbia le cifre più basse

2-metil pentano



pentano

metil metil pentano

dimetil pentano

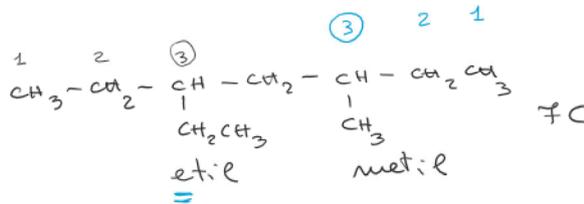
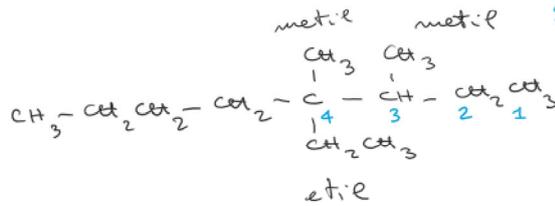
2,3-dimetil pentano

ottano

dimetil etil ottano

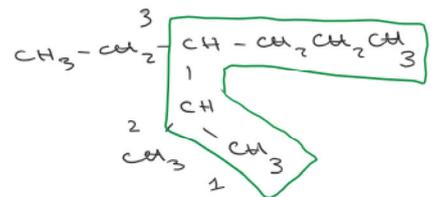
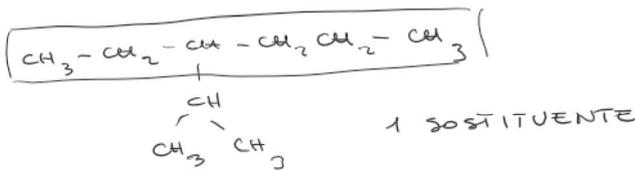
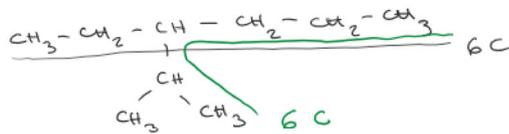
etil dimetil ottano

4-etil-3,4-dimetil ottano



eptano

3-etil-5-metileptano



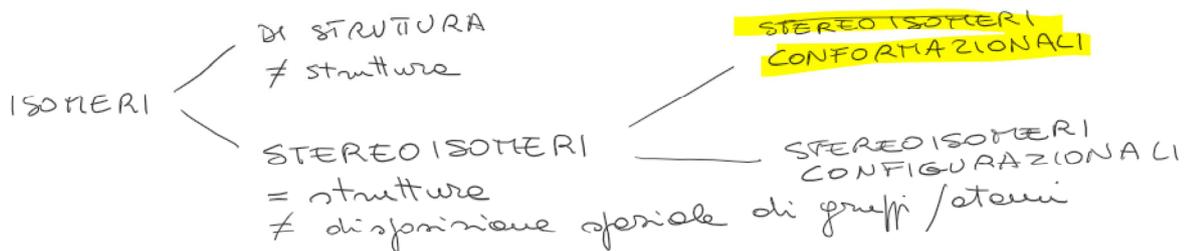
2-SOSTITUENTI

esano

etil metil esano

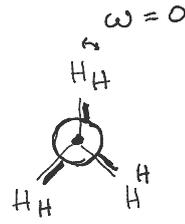
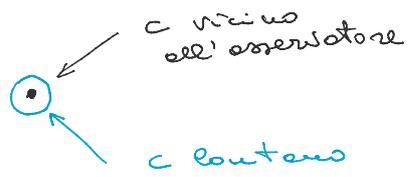
3-etil-2-metilesano

Si sceglie la catena più lunga (6C) che presenta più sostituenti.

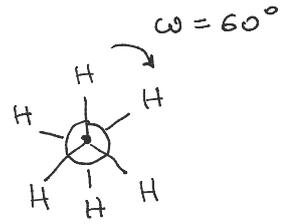


ANALISI CONFORMAZIONALE DELL'ETANO

FORMULE DI NEWMAN



FORMA
ECLISSATA



FORMA
SFALSATA