

LA BIOCHIMICA È LO STUDIO
A LIVELLO MOLECOLARE
DELLE STRUTTURE E DEI
PROCESSI CHE SONO ALLA
BASE DELLA VITA

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IL CHIARIMENTO DEL RAPPORTO
TRA STRUTTURA
TRIDIMENSIONALE ED ATTIVITÀ
BIOLOGICA DELLE BIOMOLECOLE

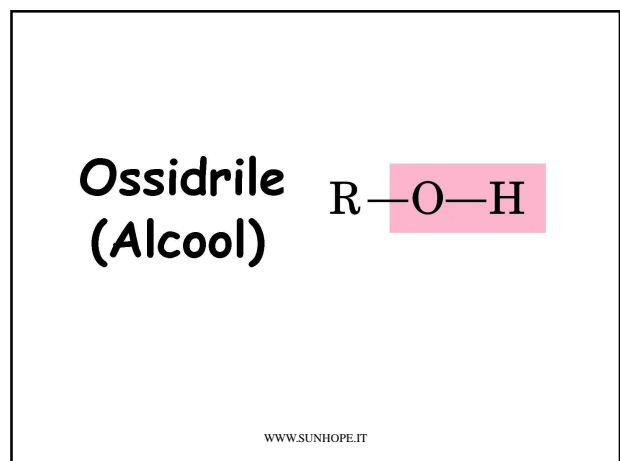
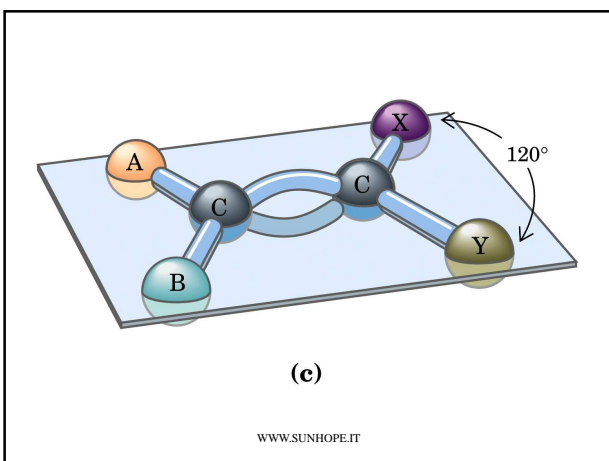
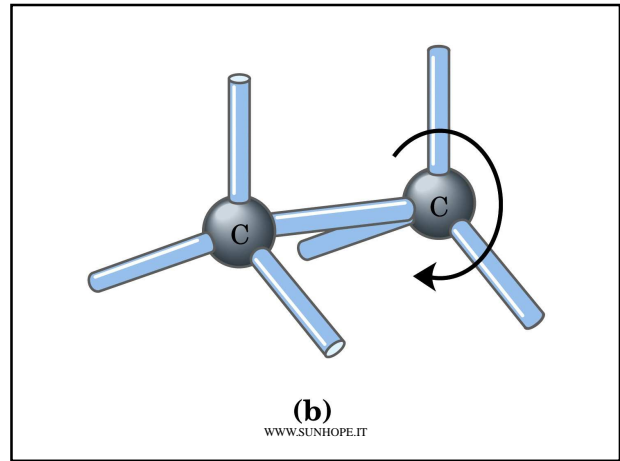
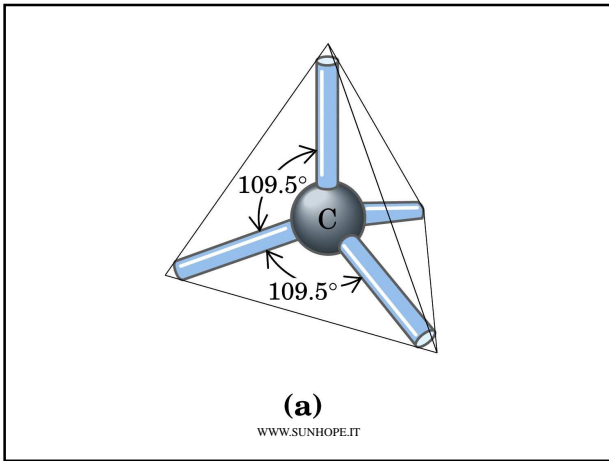
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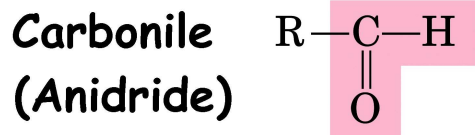
STRUTTURA → FUNZIONE

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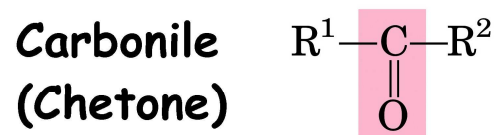
BIOMOLECOLE
PROTEINE
ACIDI NUCLEICI
GLUCIDI
LIPIDI

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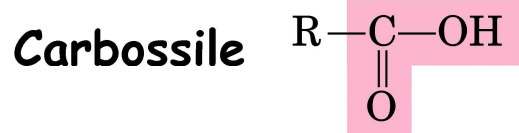




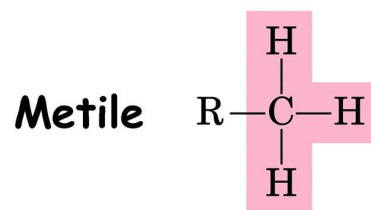
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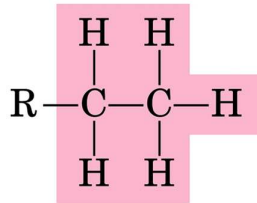


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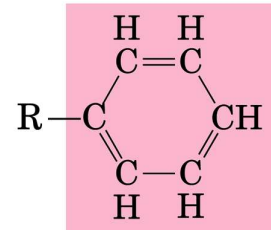
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Etile



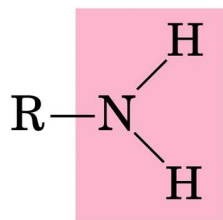
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Fenile



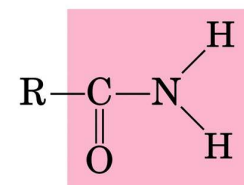
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Amina



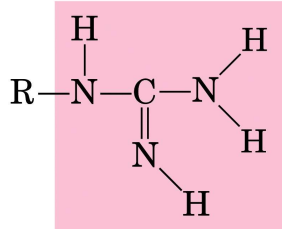
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Amidico



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Guanidino



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Sulfidrile $\text{R}-\text{S}-\text{H}$

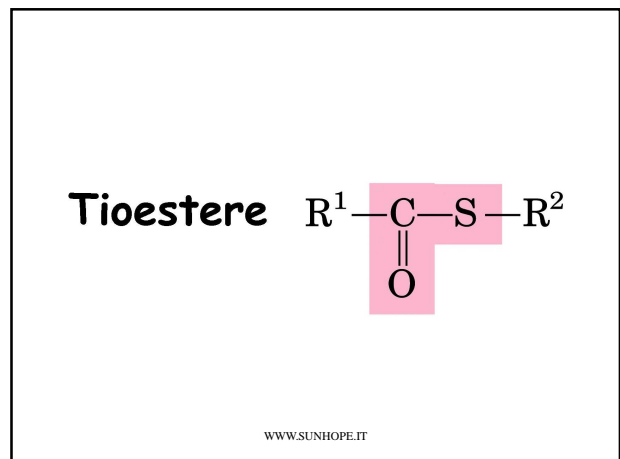
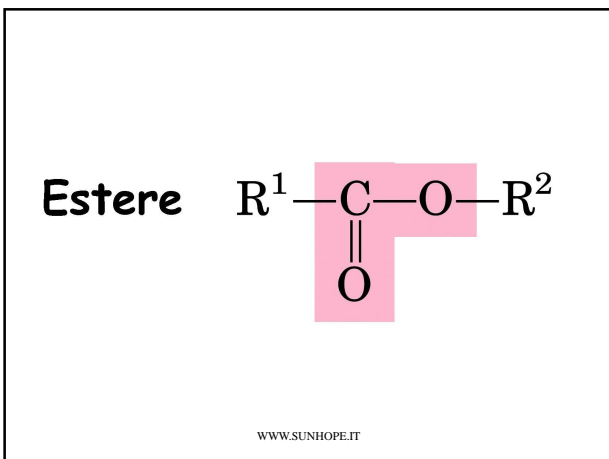
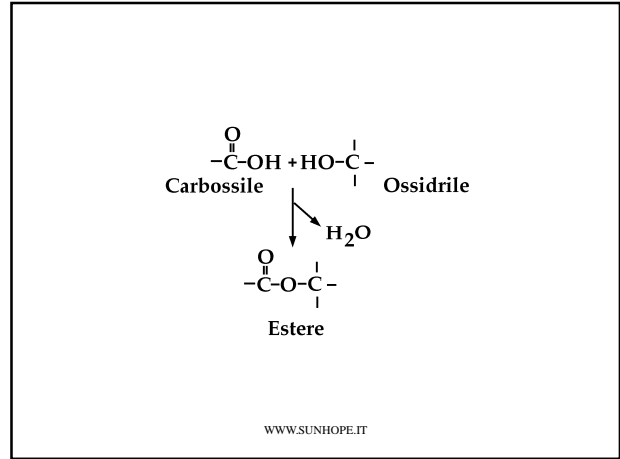
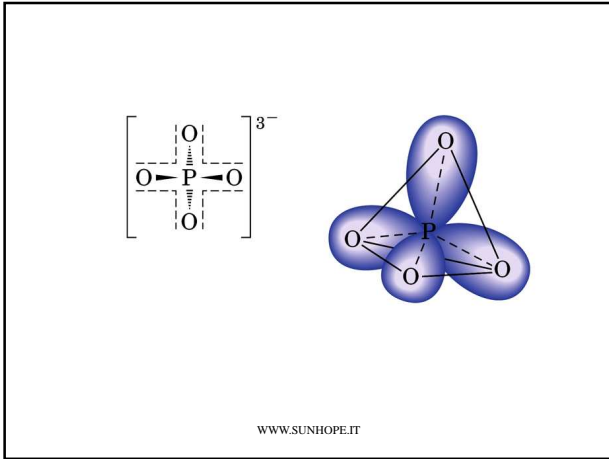
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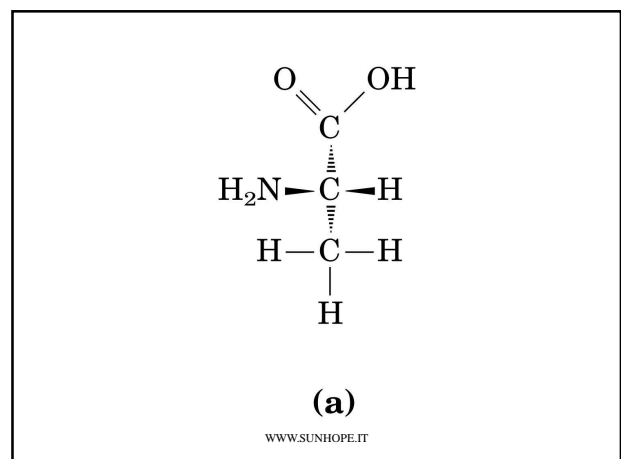
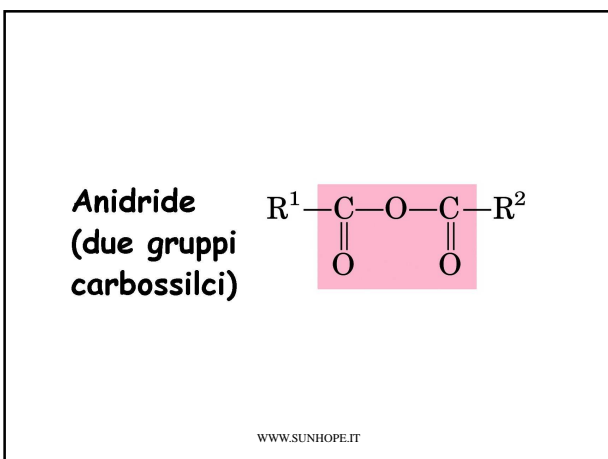
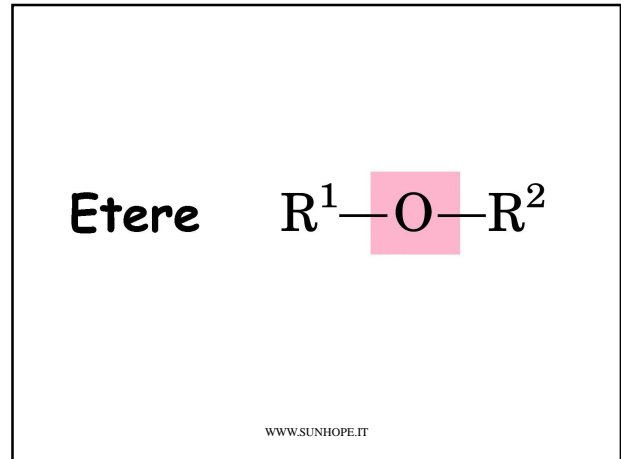
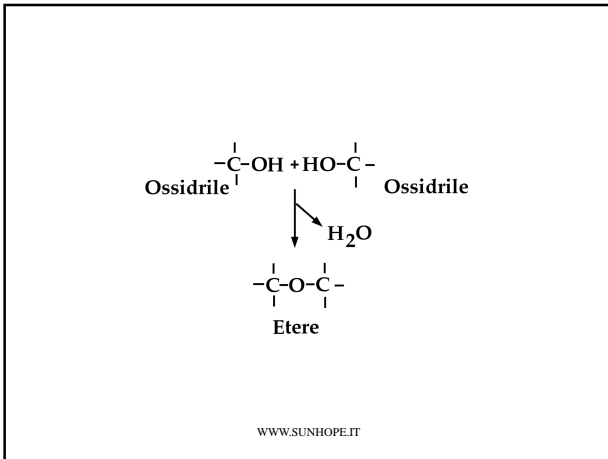
Disulfide $\text{R}^1-\text{S}-\text{S}-\text{R}^2$

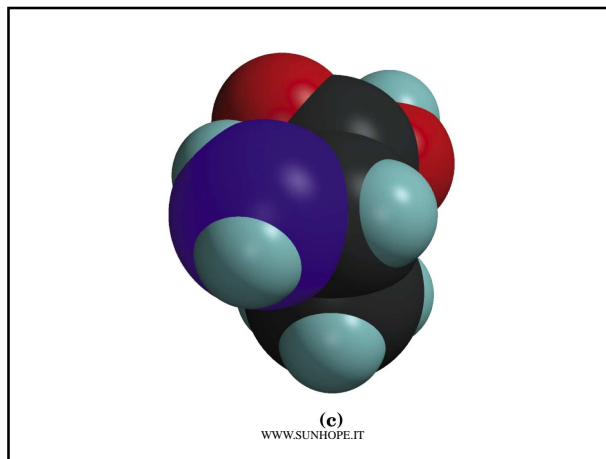
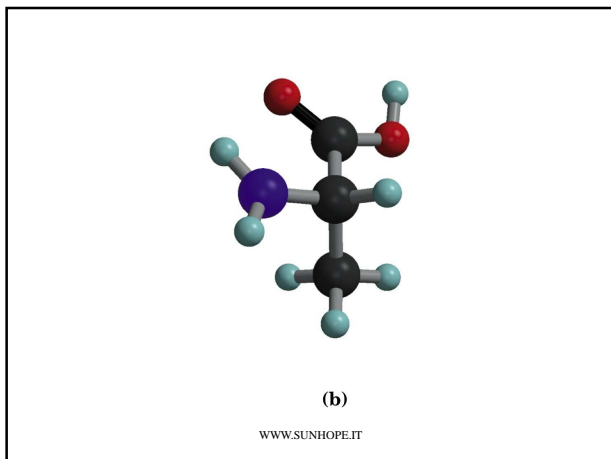
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Fosforile $\text{R}-\text{O}-\text{P}(\text{OH})_2$

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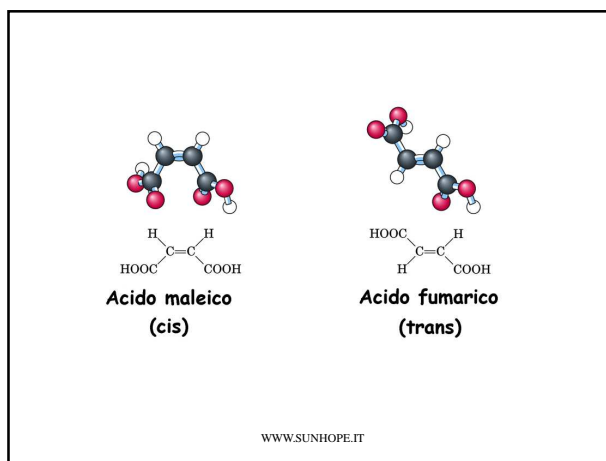


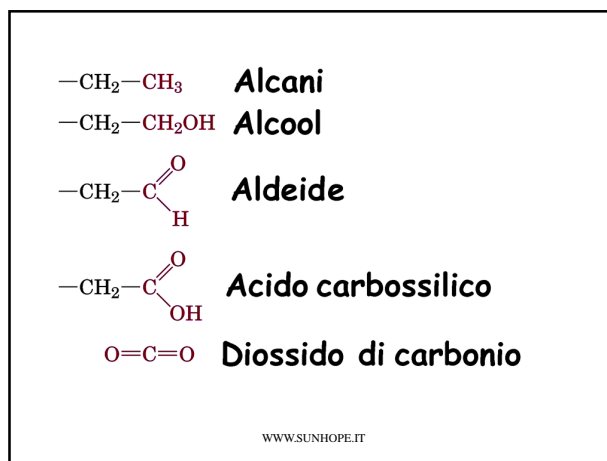
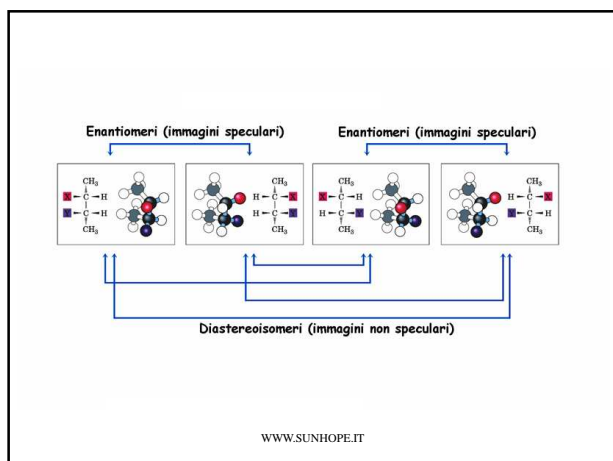
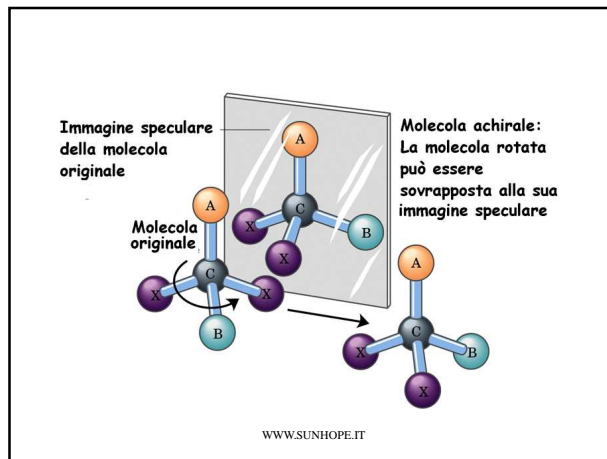
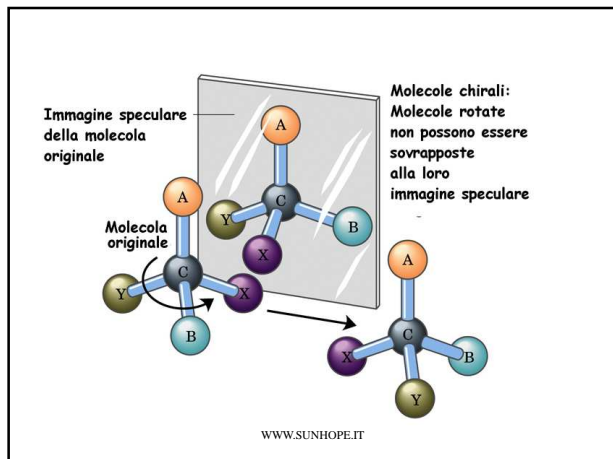




OLTRE CHE DAGLI SPECIFICI GRUPPI FUNZIONALI, LA REATTIVITÀ DI UNA MOLECOLA È DETERMINATA ANCHE DALLA DISPOSIZIONE SPAZIALE DEI SUOI ATOMI (CONFIGURAZIONE)

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**L'ACQUA NON È UN LIQUIDO
BLANDO E INERTE, MA UNA
MOLECOLA ALTAMENTE
REATTIVA CHE INFLUENZA
PROFONDAMENTE LE
PROPRIETÀ DELLE MOLECOLE**

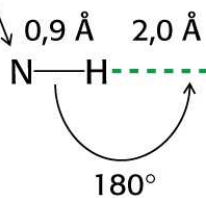
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Donatore del legame idrogeno Accettore del legame idrogeno

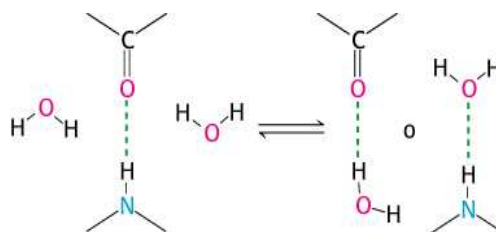


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Donatore di idrogeno Accettore di idrogeno



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