

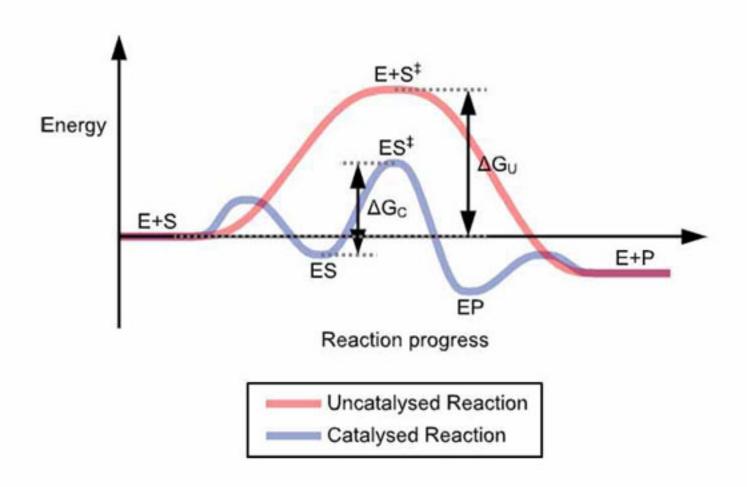
Enzyme Activity

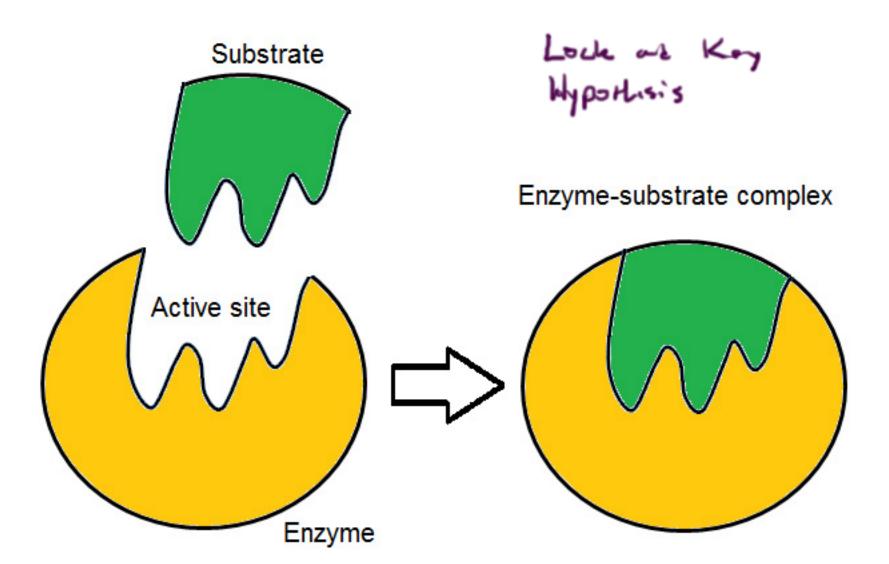
Session Slides with Notes

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Enzym

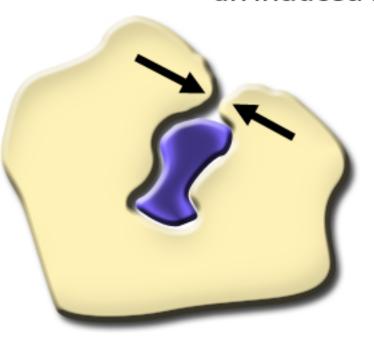




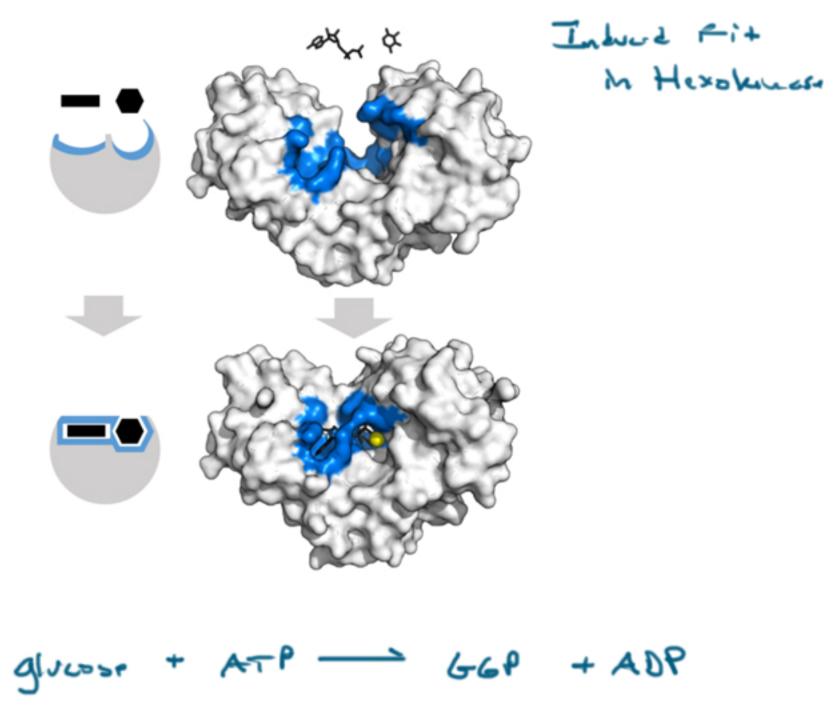
Induced Fit

The substrate enters the active site of the enzyme.

The enzyme clamps down around the substrate, forming an induced fit.



not only binding but also turnorm



Bozymis may distriguish produval

CH3CH2OH + NAD+ Teast alcohol

Yeast alcohol
dehydrogenase

LE me H ware the NADH

is it preside that the NADH

producit is all NADH

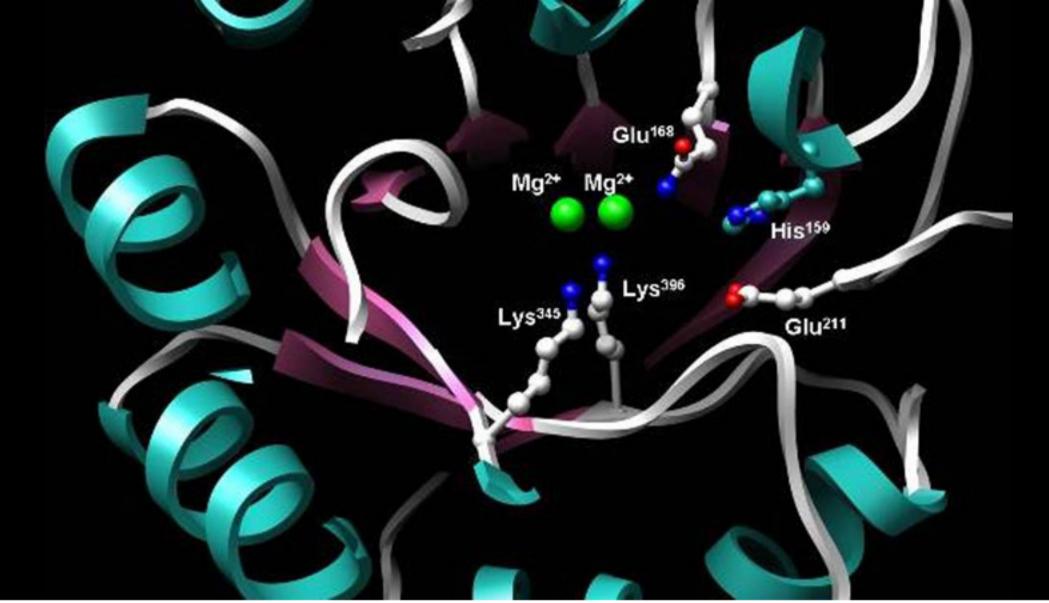
mist it be 50:50?

On the Geachlop the two His would

be equivalent.

But an enzyme can distinguish

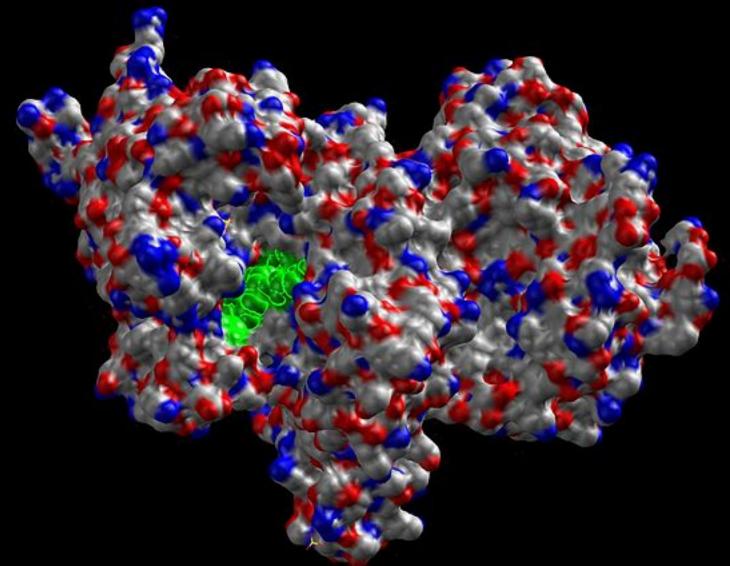
prochiral substitute.



Enolase

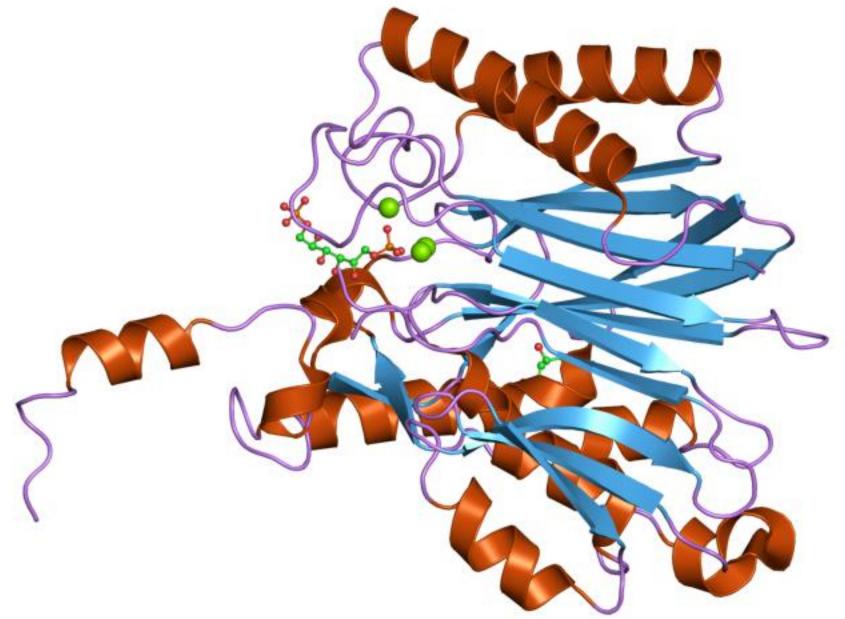
2-phosphosycarde - phosphoendpynrede

Enolese Mechanism



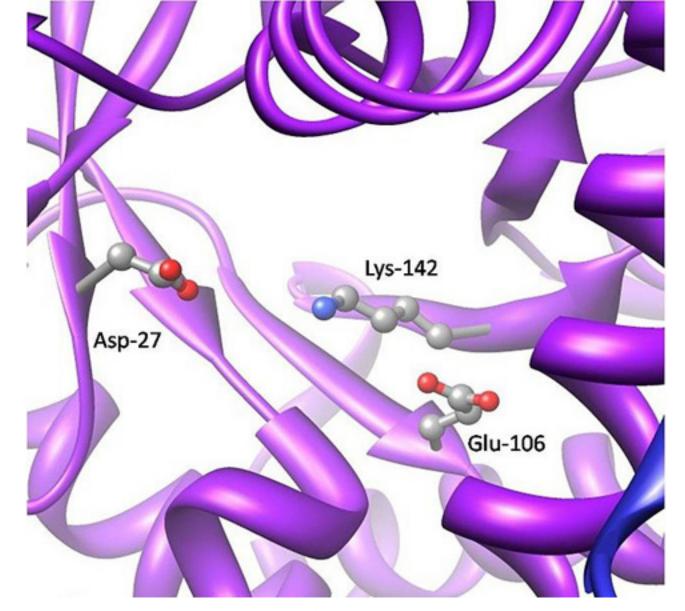
Isocitrate Dehydrognase

Isocitrate Dxalosucenate _____ dkohglutarate



Fructoso 1,6 Bis phos phostase

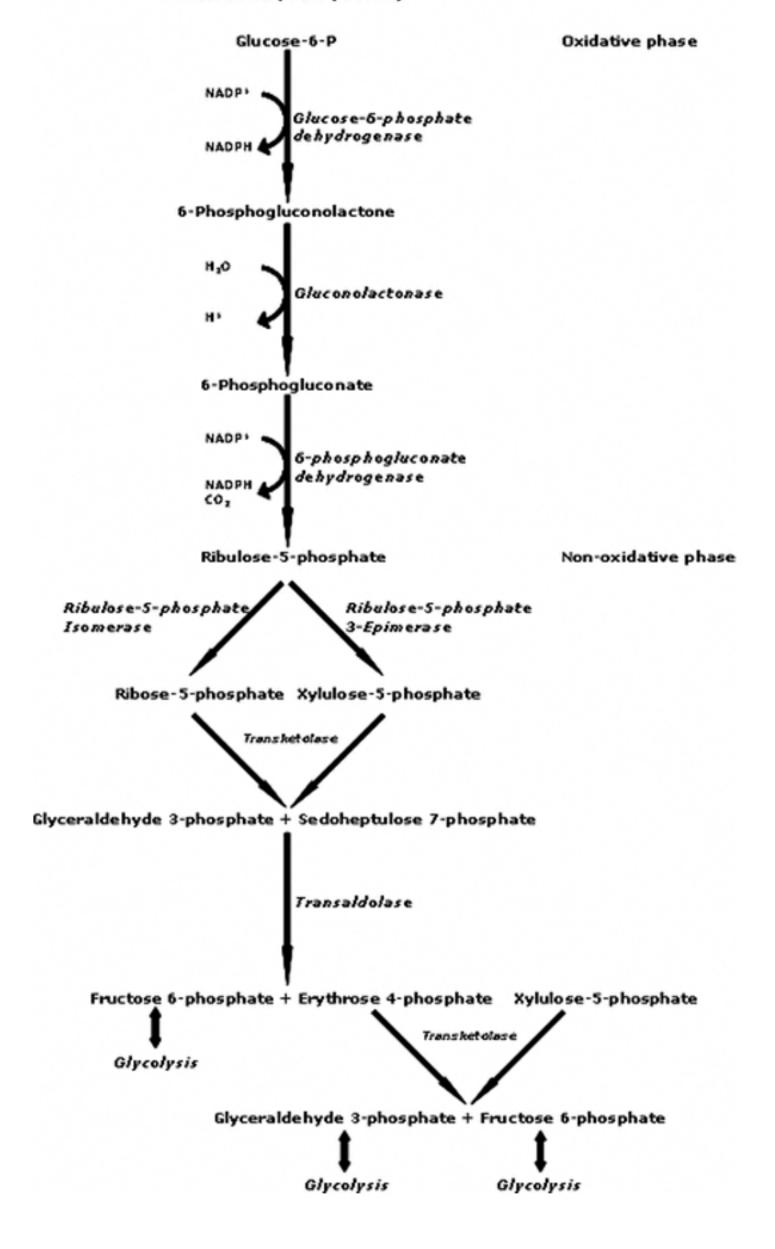
F 1,6 P - F LP + P:

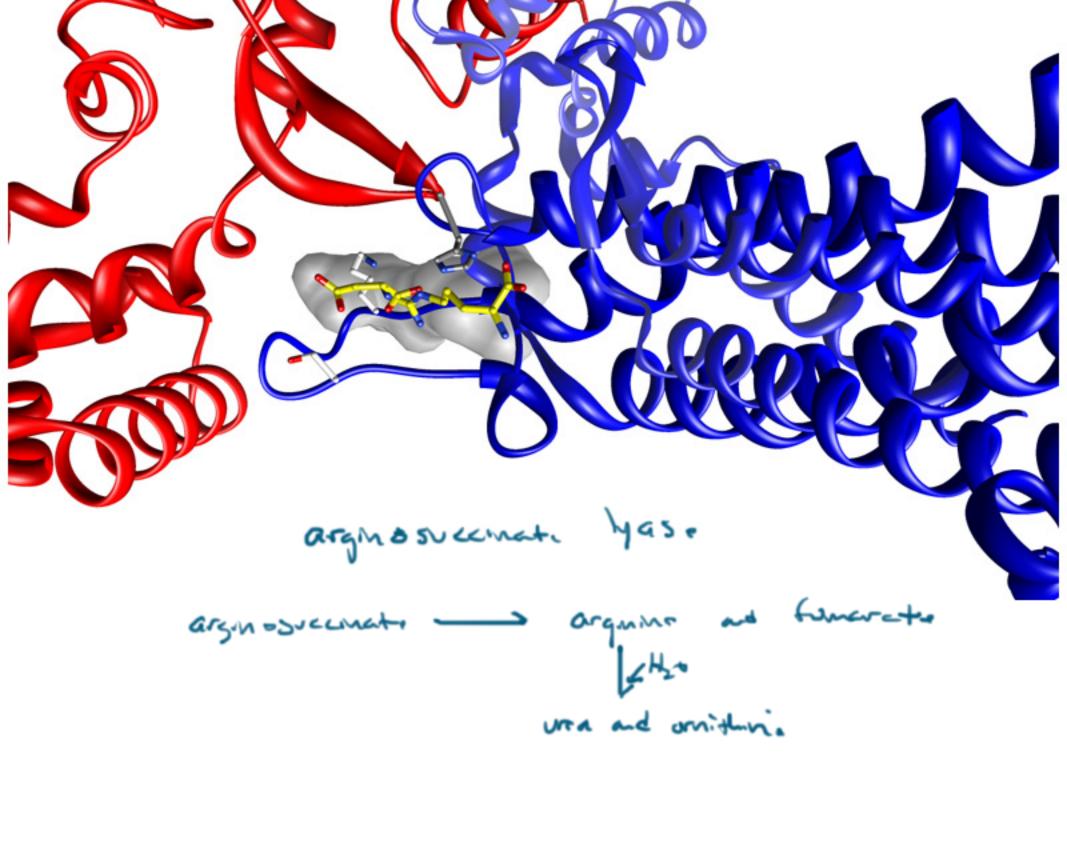


Transaldolase

57P + 63P - E4P + FLP

Pentose Phosphate pathway





TOAN

carries acyl groups here
1 as activated thisoster NH_2 OH₃C CH₃ HS. wccoopepantho throate chilanna

FAD

Ubiquinon. - Coa

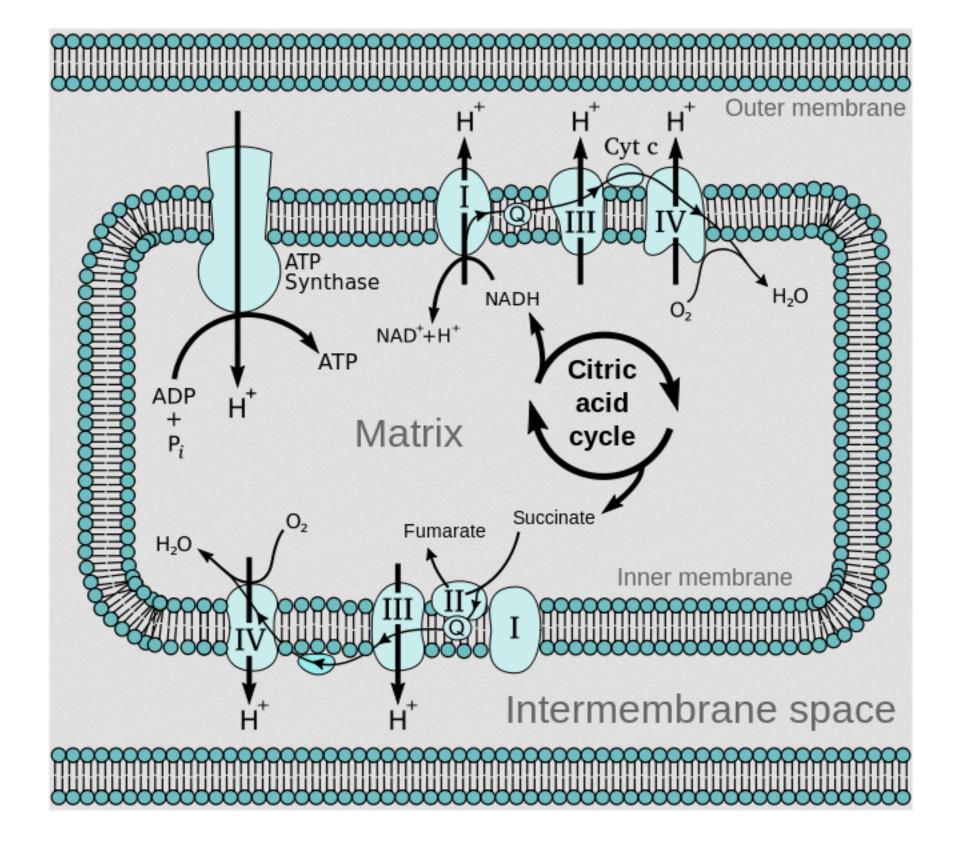
$$H_3C$$
 O
 CH_3
 H_3C
 O
 CH_3
 CH_3

isoprene

Brazogunanc

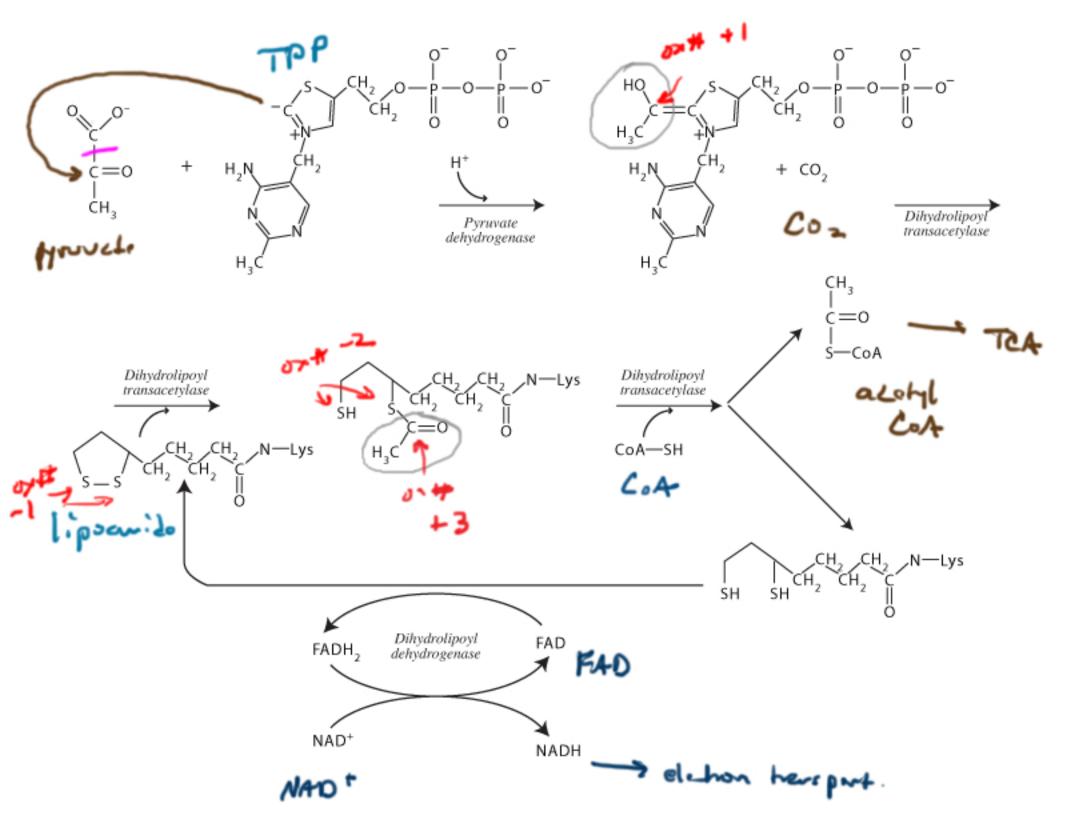
Seniquinane Stable radical

Q 01/10 |



TPP. Thianne Pyrophosphote

- · provata dobyrozancsa
- · a he togliteret blydregonera
 - · translet olese



Lipsic Acid

$$S-S$$

2645

Carriss HN NH H Cooh Buditop
application
Biotiaglation
-adding broth for
binding to
aviden in
affinity
chronategraphy

" the ariso acid chaming coerzymo"

R = 5'-deoxyadenosyl, Me, OH, CN

Folate

$$H_2N$$
 H_1
 H_2
 H_3
 H_4
 H_4
 H_5
 H_5
 H_6
 H_6

donor of single corbon units (methyl, horayl.