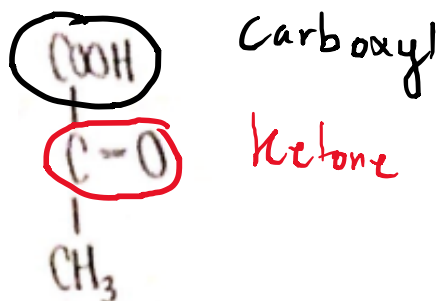


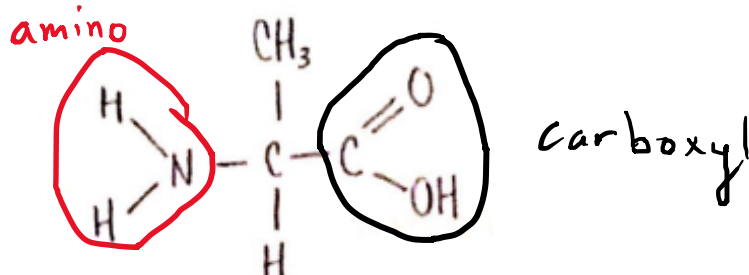
Functional Groups

For each of the following compounds, circle the functional group and name it.

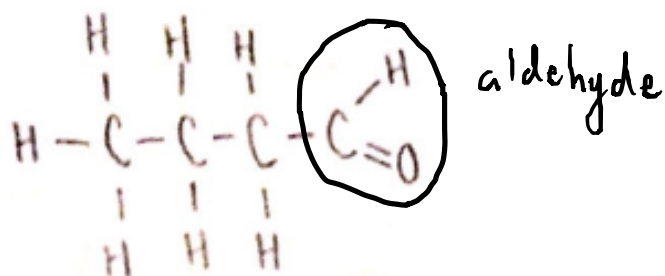
1. Pyruvic acid



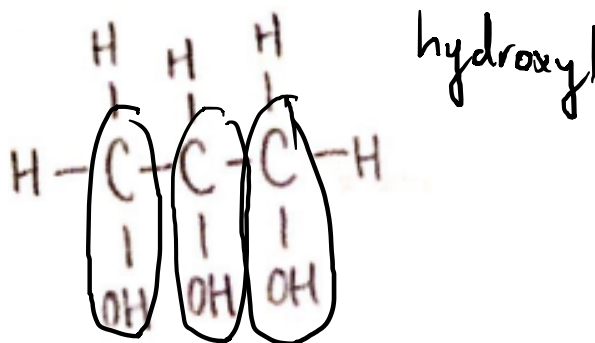
2. Alanine



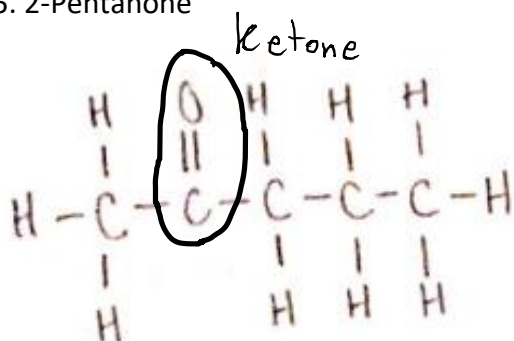
3. Butanal



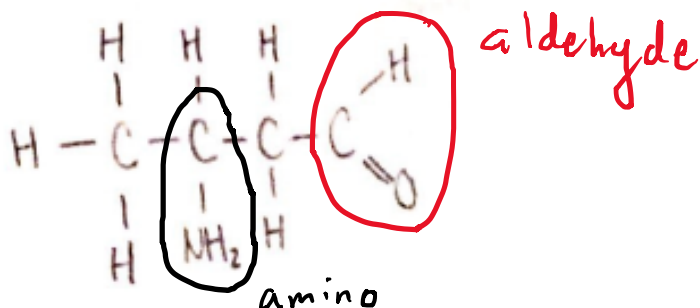
4. Glycerol



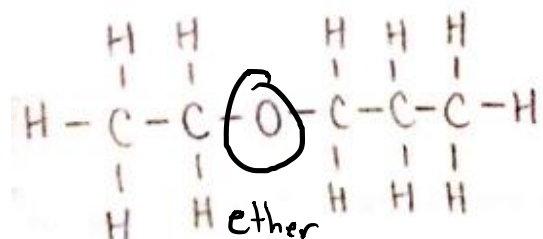
5. 2-Pentanone



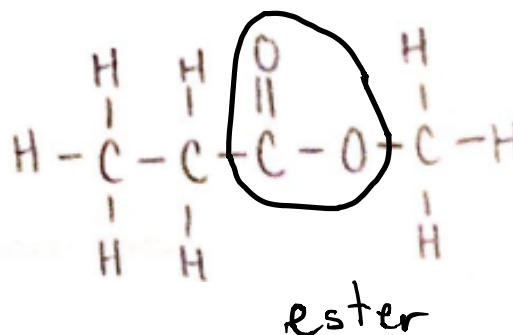
6. 3-Amino butanal



7. Ethoxypropane



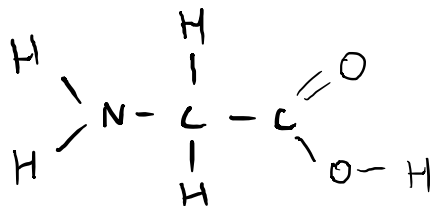
8. Methyl propanoate



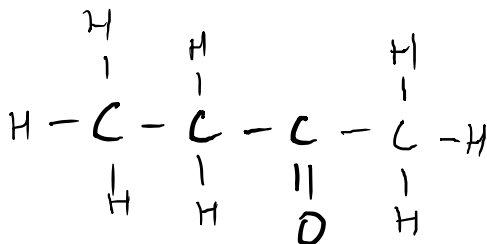
Biochemistry

Draw structural formulae for each of the following:

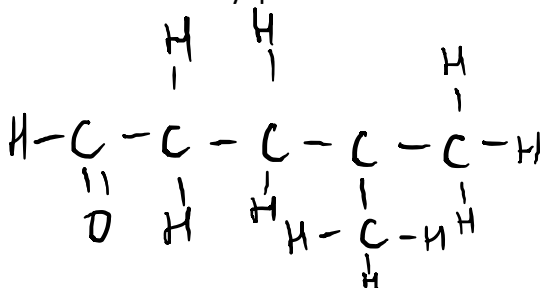
1. 2-amino propanoic acid



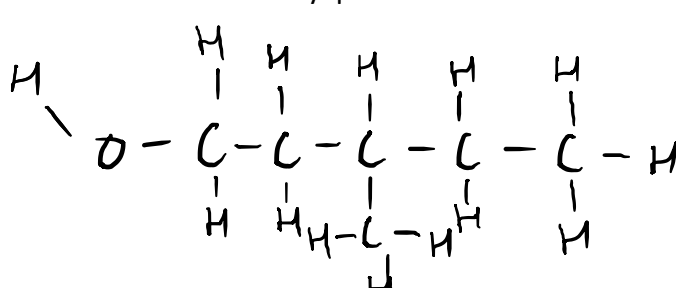
2. 2-butanone



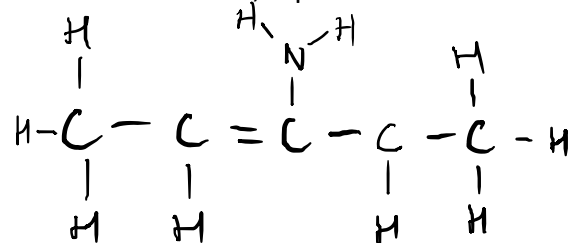
3. 4-methyl pentanal



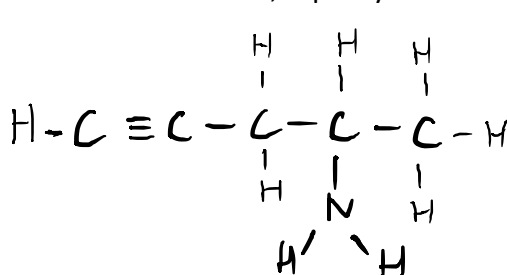
4. 3-methyl pentanol



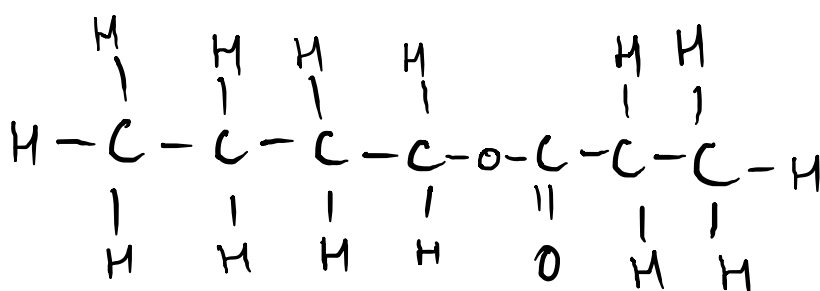
5. 3-amino, 2-pentene



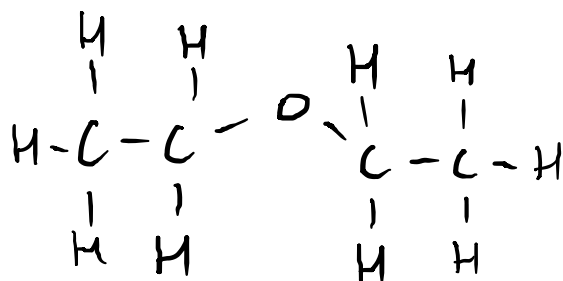
6. 4-amino, 1-pentyne



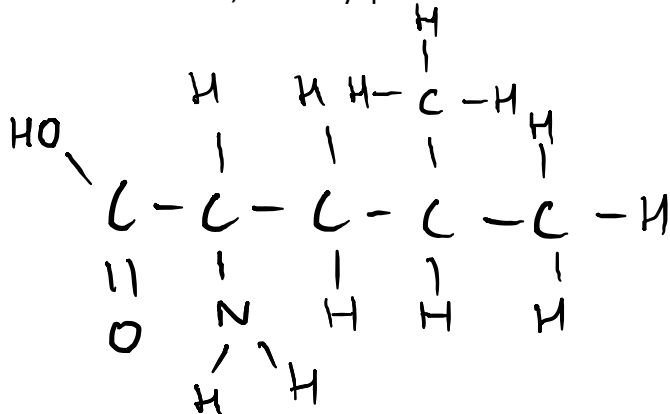
7. butyl propanoate



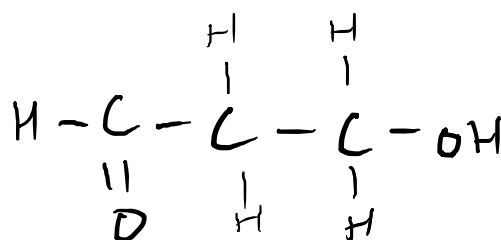
8. di-ethyl ether



9. 2-amino, 4-methyl pentanoic acid



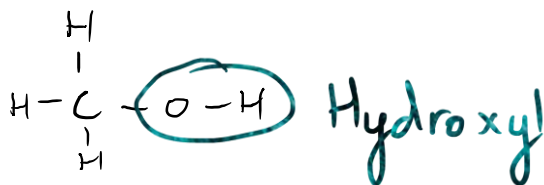
10. 3-hydroxyl propanal



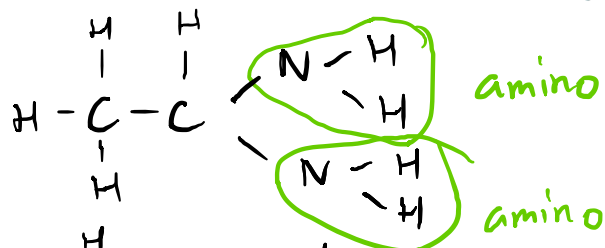
Biochemistry

Name and draw structural formulae for each of the following:

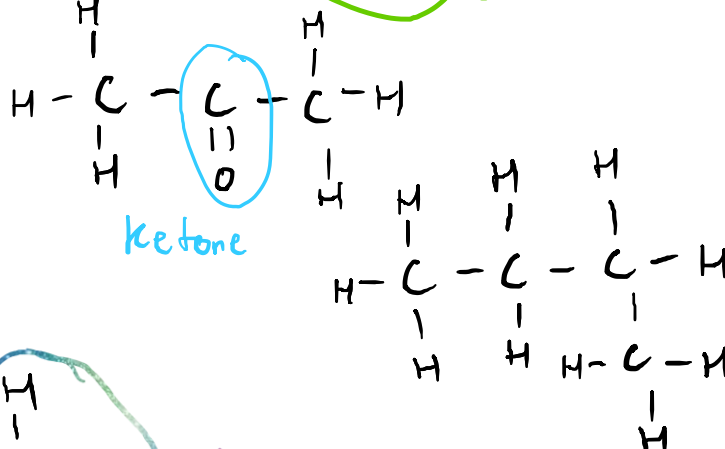
1. CH_3OH



2. $\text{CH}_3\text{CH}(\text{NH}_2)_2$



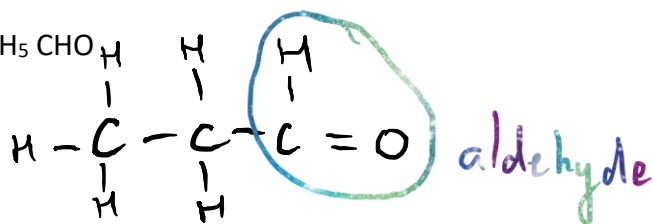
3. CH_3COCH_3



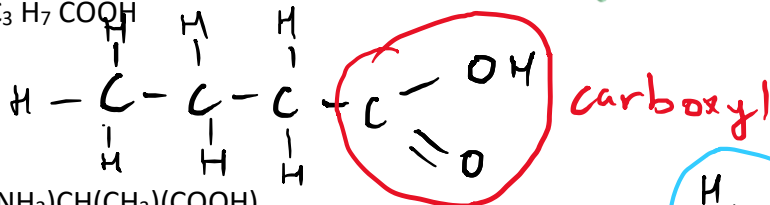
4. $(\text{C}_2\text{H}_5)(\text{CH}_3)\text{CH}_2$

No functional group

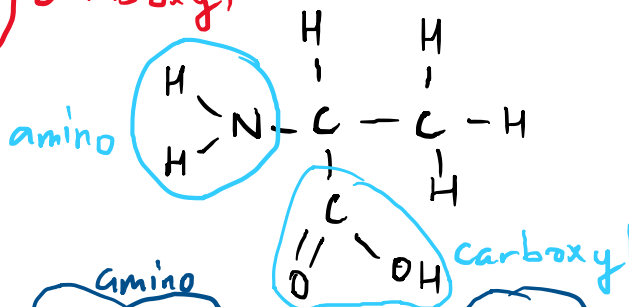
5. $\text{C}_2\text{H}_5\text{CHO}$



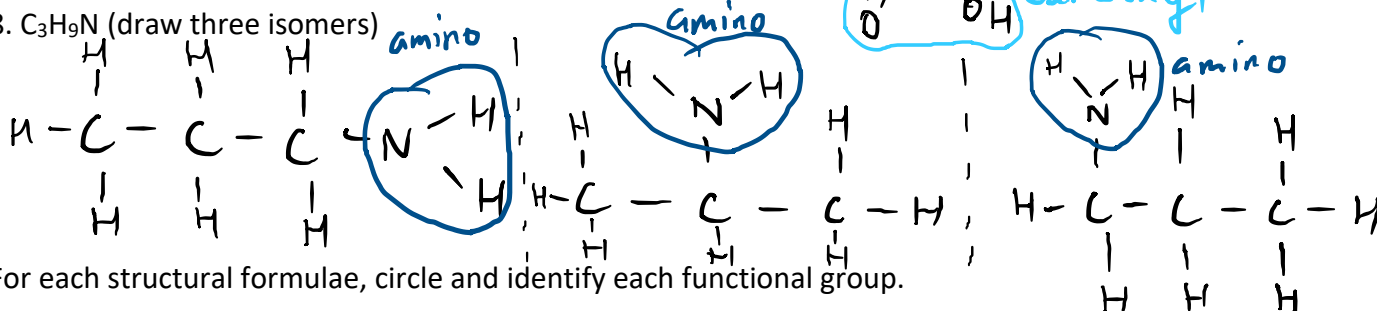
6. $\text{C}_3\text{H}_7\text{COOH}$



7. $(\text{NH}_2)\text{CH}(\text{CH}_3)(\text{COOH})$



8. $\text{C}_3\text{H}_9\text{N}$ (draw three isomers)



For each structural formulae, circle and identify each functional group.