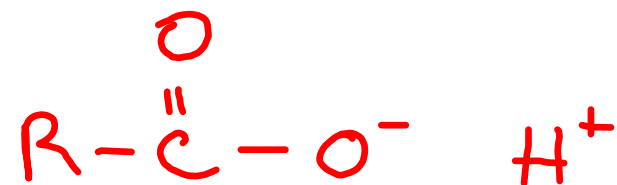
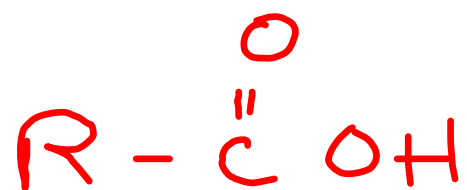
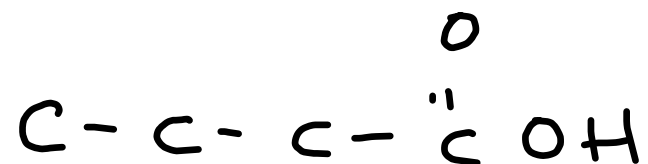


organic
acid

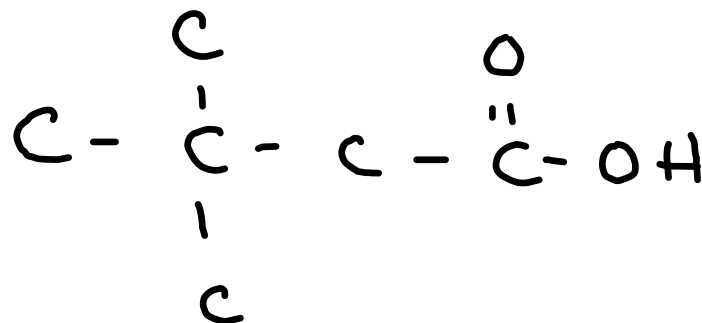


1 a.



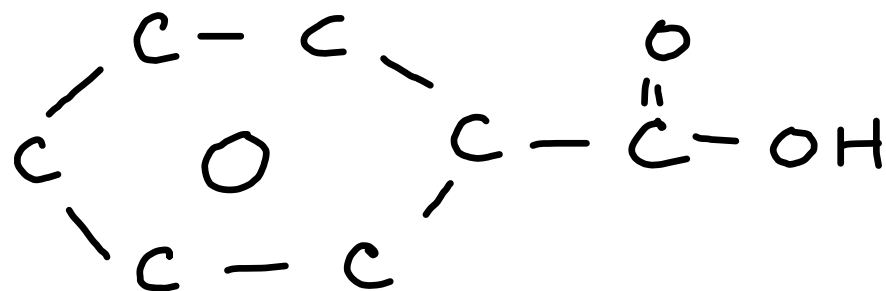
butanoic acid

b.

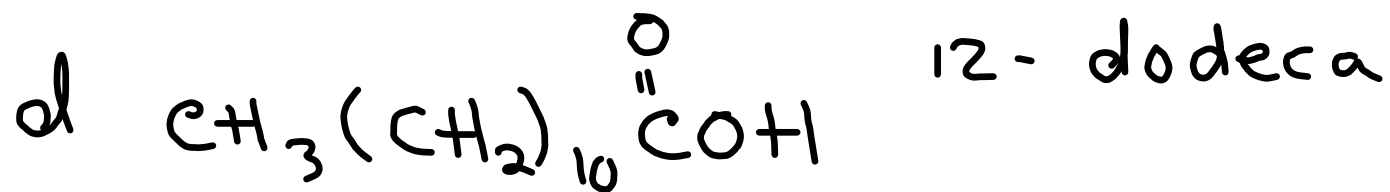


3,3-dimethyl butanoic acid

c.

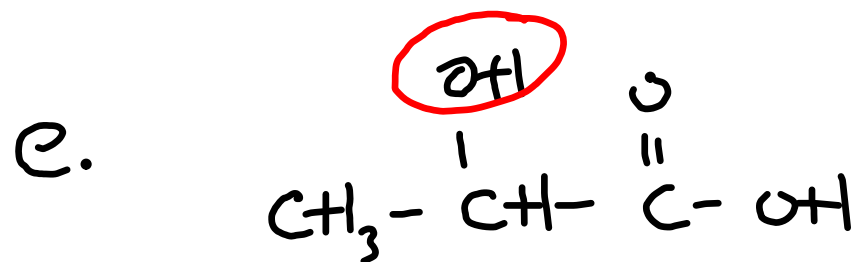


benzoic acid

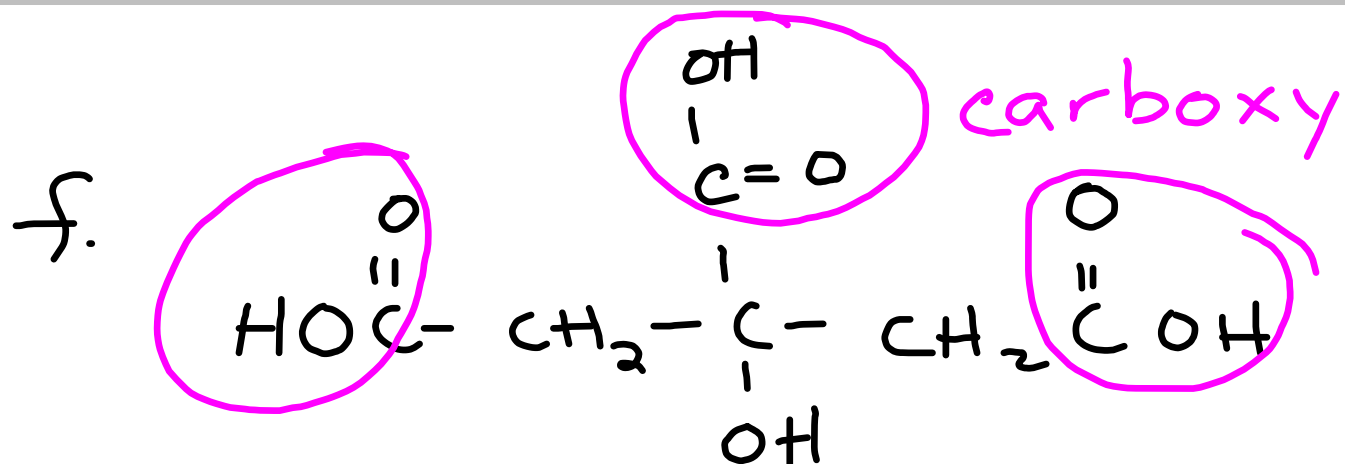


dodecanoic acid

lauric acid



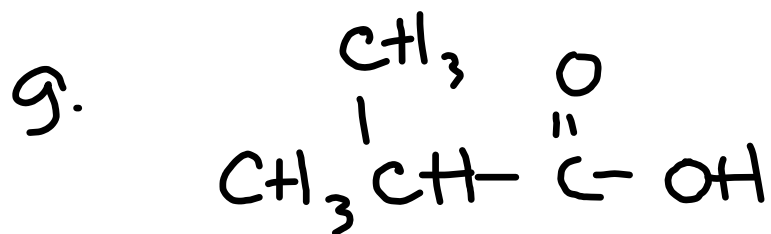
2-hydroxy propanoic acid
lactic acid



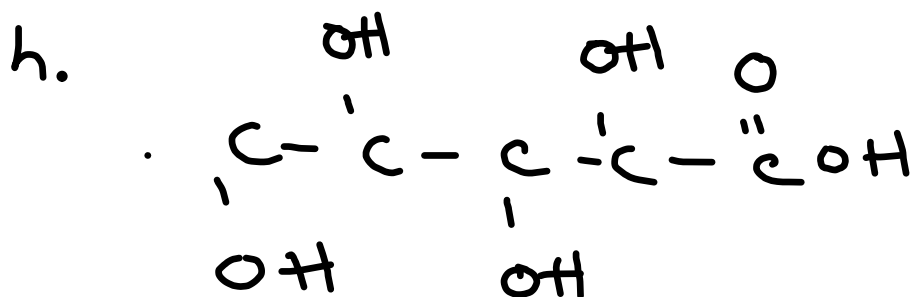
3-hydroxy 1, 3, 5- pentanoic acid

- 2-
1,2,3-tricarboxy propanol

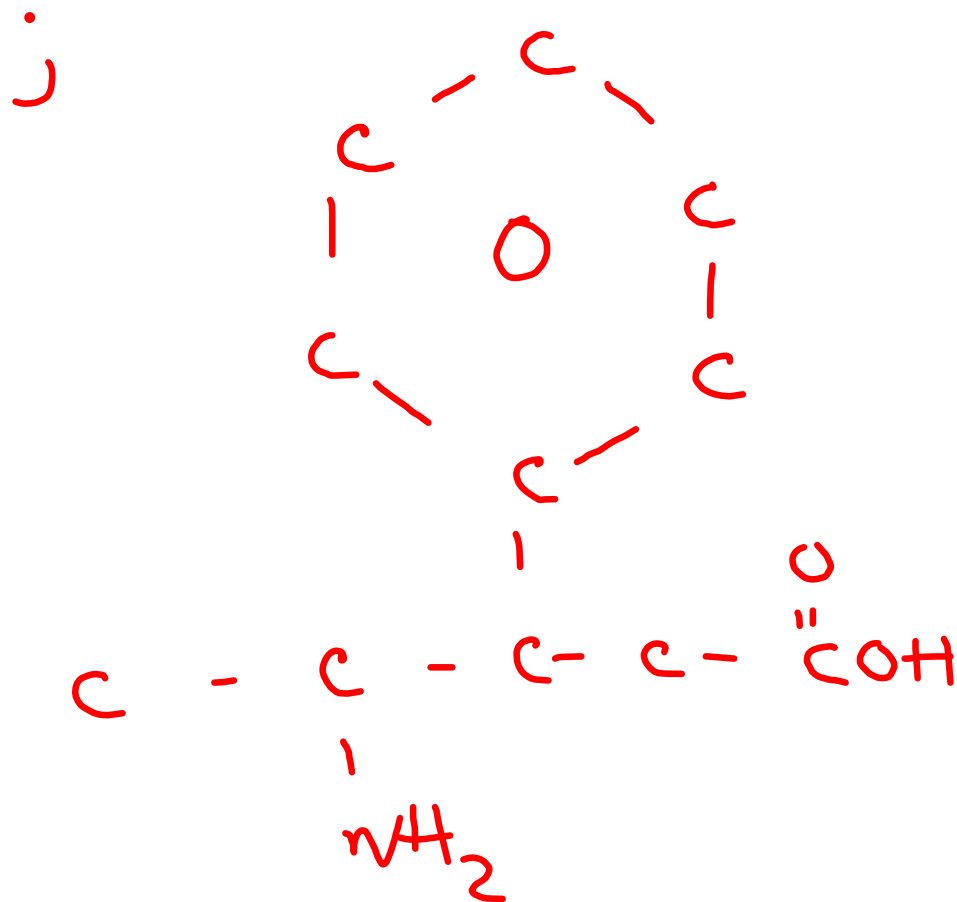
citric acid



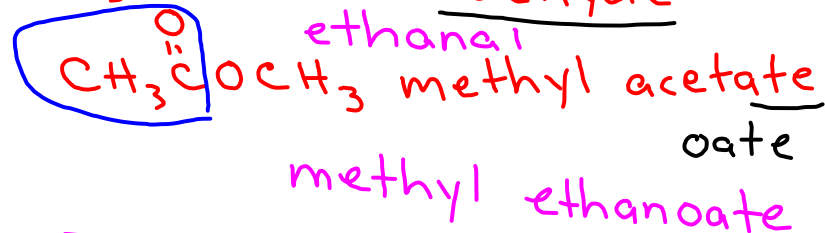
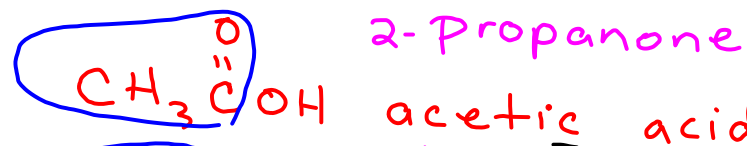
2-methyl propanoic acid



2,3,4,5-tetrahydroxy
pentanoic acid



3-benzyl 4-amino
pentanoic acid

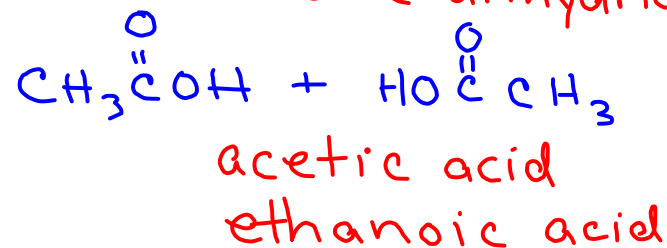
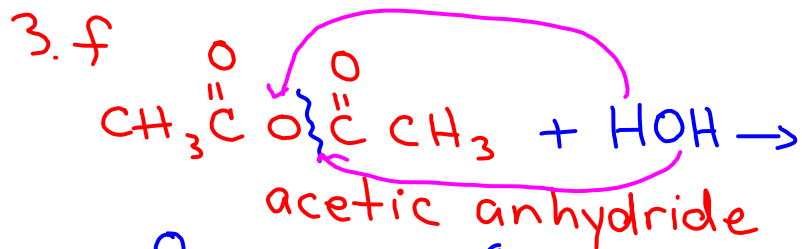


oate

methyl ethanoate

• IUPAC

• common names



About the same Carbon length

- Water
- Acid
- Primary amide
- Primary amine
- Alcohol
- Secondary amide
- Secondary amine
- Aldehyde
- Ketone
- Esters
- Tertiary amides
- Tertiary amines
- Alkanes, alkenes, alkynes

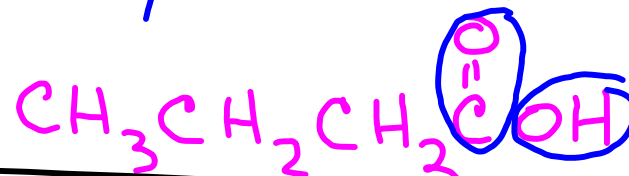
5.

Set 1:

ethanol H

butane L

Butyric acid



butyric acid H 2-butanone

ethanol

butane L

Methyl ethyl ketone



butyric acid H

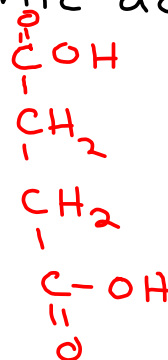
ethanol

methyl ethyl ketone

butane L

Set 2:

Succinic acid H



1,6 dihydroxyhexane L



Succinic acid H

1,6 dihydroxyhexane L

Octanoic acid

Succinic acid H

Octanoic acid

1,6-dihydroxyhexane L

methyloctanoate

Succinic acid H

Octanoic acid

1,6-dihydroxyhexane

methyloctanoate L

Set 3:

formic acid $\text{H} \text{H} \overset{\text{O}}{\parallel} \text{COH}$

methyl formate $\text{L} \text{H} \overset{\text{O}}{\parallel} \text{COCH}_3$

formic acid H methamide

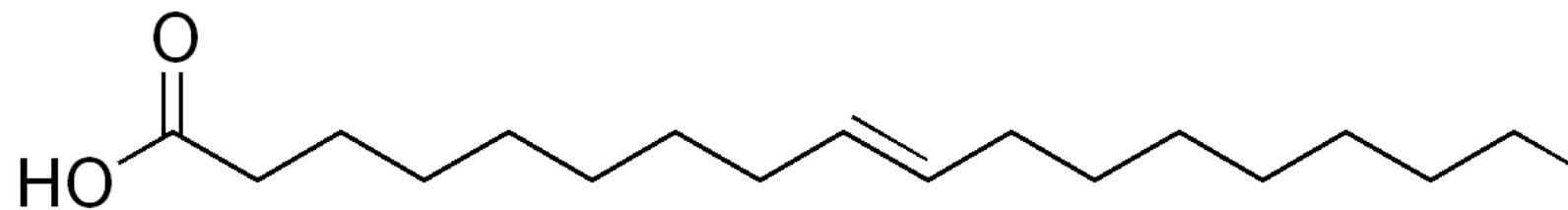
methamide

methyl formate L

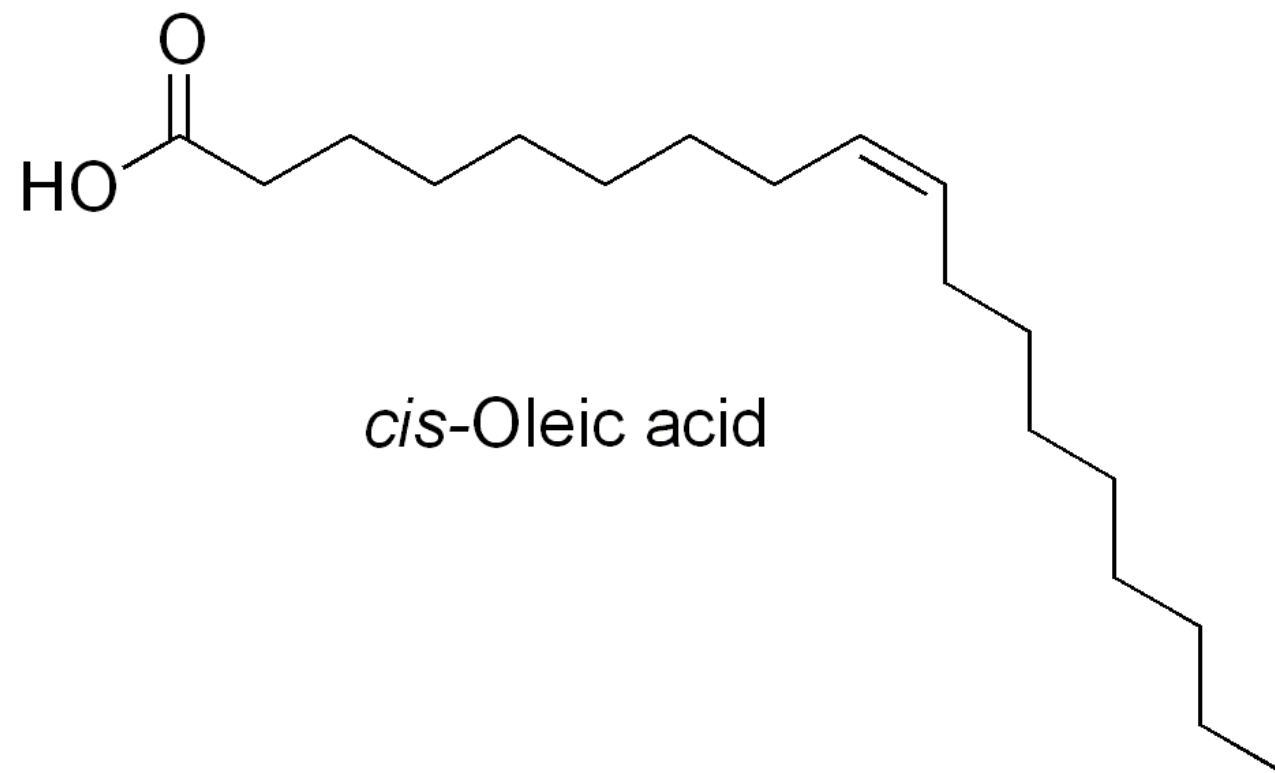
dimethyl ketone
 $\text{CH}_3 \overset{\text{O}}{\parallel} \text{CECH}_3$

Quiz

esters acids amines
amide name or formulas



trans-Oleic acid



cis-Oleic acid

