

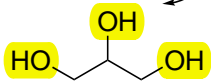
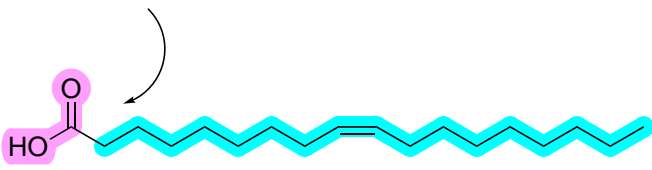
Triglycerides

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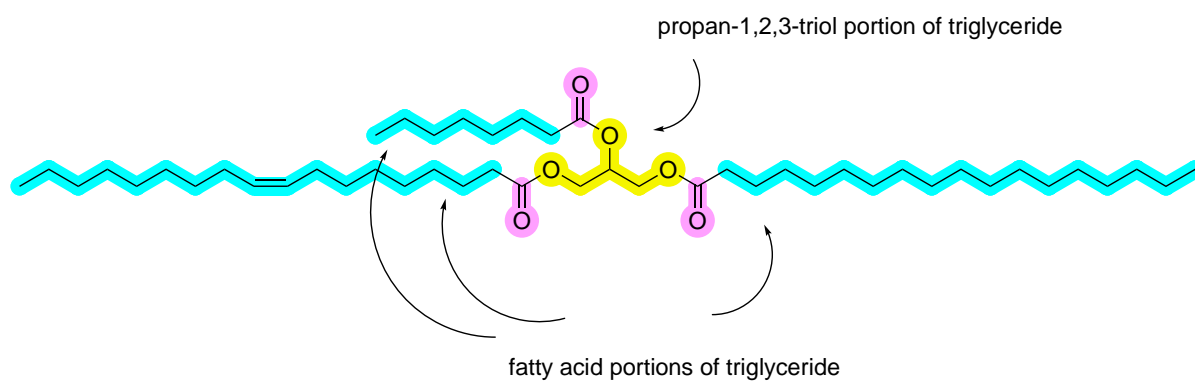
Summary

Triglycerides are esters of glycerol (propan-1,2,3-triol) and three fatty acids.

| Triglyceride component | Diagram |
|------------------------|--|
| propan-1,2,3-triol | <p>3x alcohol groups</p>  <p>The diagram shows the skeletal structure of propan-1,2,3-triol. The three hydroxyl groups are highlighted in yellow. An arrow points from the text '3x alcohol groups' to these groups.</p> |
| Fatty acids | <p>carboxylic acid group</p>  <p>The diagram shows a long-chain fatty acid. The carboxylic acid group at the left end is highlighted in pink. The long hydrocarbon chain is highlighted in cyan. An arrow points from the text 'carboxylic acid group' to the pink group. Another arrow points from the text ''fatty' component refers to long alkane or alkene chain which is hydrophobic' to the cyan chain.</p> <p>'fatty' component refers to long alkane or alkene chain which is hydrophobic</p> |

Students are required to recognise triglycerides and the functional groups in them. They are not required to name triglycerides.

Triglyceride molecule displaying alcohol and fatty acid portions:



Triglyceride molecule showing ester functional groups:

