Source: [KBhBIO101Macromolecules]

1 | **Lipids**

Pentaine

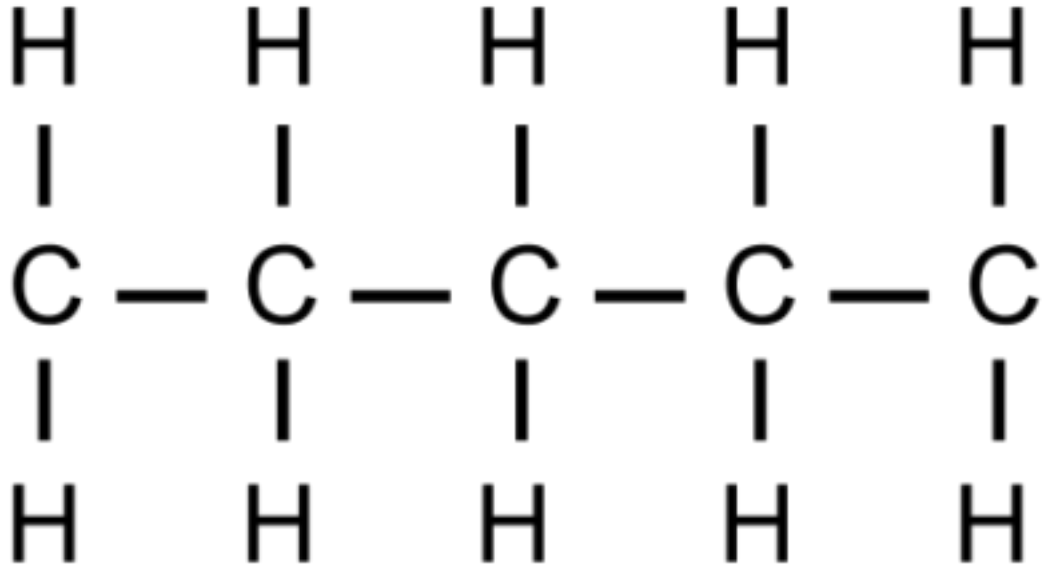

Figure 1: pentane-plus-market-400x225.png

A non-polar molecule that build up the fundamentals of lipids.

- Non polar
- Will only have LDF
- Hydrophobic
    - Because it is non polar, will only have LDF
    - So, water's dipole moment makes it not attractive to pentaine
    - Large surface area of pentaine will result in more LDF (bigger surface area => more opportunities to LDF), so pentaines will more likely to LDF with other pentains if given the choice between pentain vs. water

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and now, a note on LDF

Pentaine => Carbon-Carbon bonds has 0 EN difference w/ even distribution of electrons

- Electrons are randomly within their 3D shape
- So, when electrons are accidentally concentrated, a dipole moment will temporarily form

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And now, actually lipids

Lipids are built up from peintaine molecules. You could also take many of these lipids + other elements to build up more complicated, hydrophobic/phillic structures.

[KBhBIO101StructuresOfLipids]