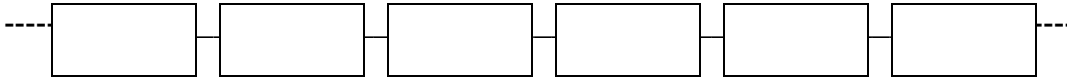


Polymer Chemistry Notes

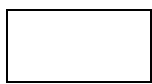
What is a polymer? --> A large molecule made of a chain of repeating units

Many/multiple

Kinda like a choo-choo train

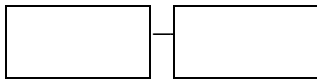


What are the sub-units of a choo-choo train?



A single car = a sub-unit or monomer

One



two sub-units = a dimer

Two

Polymers in Living Things

Polymer

Monomer

Complex carbohydrates AKA polysaccharides -----> Simple sugars e.g. glucose

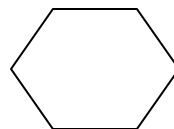
Proteins AKA polypeptides -----> Amino acids e.g. glycine

Nucleic acids (DNA and RNA) AKA polynucleotides -----> Nucleotides

Lipids (Fats, oils and waxes) not true polymers -----> glycerol and fatty acids
but are rather huge

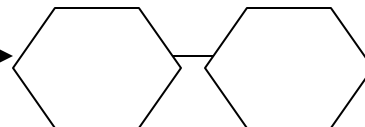
Soooooo.....

If this is a *monosaccharide*...



(Kinda looks like glucose, don't it)

...then this is a *disaccharide*...



...and this is a *polysaccharide*.

