**CARBON BACKBONES**

**Organic Chemistry –**

**Origins of Life**

* 

**What did he find?**

**Carbon bonding**

**Carbon Chains**

*
*

**Hydrocarbons**

**(a) Structural isomers**

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**Isomers**

**(b) *Cis-trans* isomers**

***trans* isomer: The two Xs
are on opposite sides.**

***cis* isomer: The two Xs
are on the same side.**

* + **Structural isomers**

**(c) Enantiomers**

* + ***Cis-trans* isomers**
	+ **Enantiomers** - mirror images of each other

**Pharmaceutical Importance of enantiomers**

* Differing effects of enantiomers show that organisms are sensitive to even subtle variations in molecules

**Functional Groups**

**🡪**

* **The seven functional groups that are most important in the chemistry group:**
	+
	+ 

**ATP –**

 🡪