

**Organic chemistry** is chemistry of carbon-containing compounds

Organic compounds: contain C  
Inorganic compounds: do not contain C (for the most part)

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Natural compounds: made in nature  
Synthetic compounds: made in lab

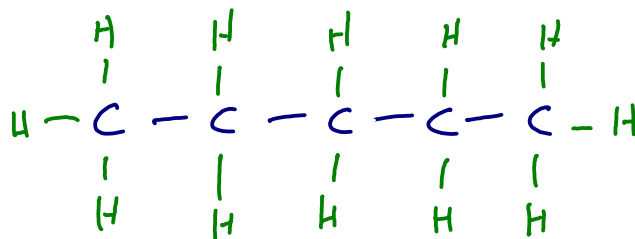
**Hydrocarbons** contain only hydrogen and carbon, and can be drawn several different ways:

1. Carbon backbone / carbon skeleton



not a finished structure

2. Structural formula (flat Lewis structure)



C needs 4 bonds

3. 3-dimensional structure