

CONCEPT: NAMING ALKANES

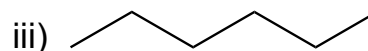
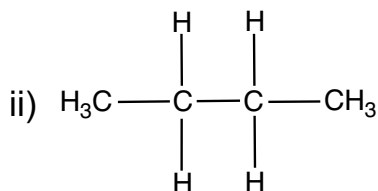
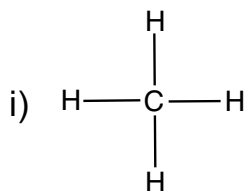
- In naming organic compounds, we use the _____ method of nomenclature.
 - **IUPAC** (International Union of Pure and Applied Chemistry): systematic set of rules.

Alkane Prefixes

- Alkane names are based on the number of _____ present in a molecule and end with _____.
 - Use the following prefixes to name the _____ of the alkane.

Alkane Prefixes			
# of Cs	Prefix	# of Cs	Prefix
1	Meth-	6	Hex-
2	Eth-	7	Hept-
3	Prop-	8	Oct-
4	But-	9	Non-
5	Pent-	10	Dec-

EXAMPLE: Name the following alkanes.



PRACTICE: Provide a skeletal structure for nonane.