**Assignment**

**Name:** Neeha  
**Class:** 2nd Year (Pre-Medical)  
**Subject:** Chemistry  
**Topic:** *Hydrocarbon Names*

**Write the names of at least 10 hydrocarbons**

1. **Methane (CH₄)** – Simplest alkane with one carbon.
2. **Ethane (C₂H₆)** – Two carbon atoms, single bond.
3. **Propane (C₃H₈)** – Three carbons, single bond.
4. **Butane (C₄H₁₀)** – Four carbon atoms, used in LPG.
5. **Pentane (C₅H₁₂)** – Five carbon atoms, alkane family.
6. **Hexane (C₆H₁₄)** – Six carbons, found in petroleum.
7. **Heptane (C₇H₁₆)** – Seven carbons, used in fuels.
8. **Octane (C₈H₁₈)** – Eight carbons, important for petrol quality (octane number).
9. **Nonane (C₉H₂₀)** – Nine carbon atoms, straight chain hydrocarbon.
10. **Decane (C₁₀H₂₂)** – Ten carbons, component of gasoline.

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