

Ch. 25 sugg. probs.:

1, 12, 13, 21, 39, 55, 61, 63, 84

Goals:

ID & draw structures containing
alkanes, alkenes, alkynes, aromatics

ID functional groups

aldehydes, ketones, carboxylic acids,
amines, & amides

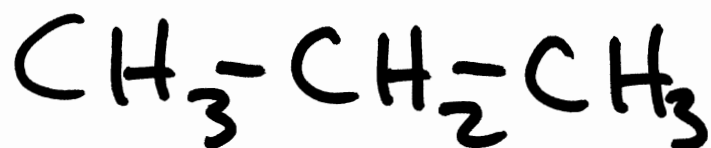
ID amino acids, proteins, carbohydrates,
nucleic acids

$\text{CH}_3 \text{CH}_2 \text{CH}_3$ Propane

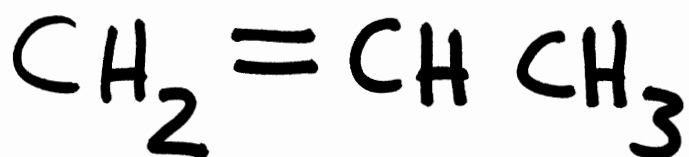
3-C alkane

$\text{CH}_3 \text{CH}_2 \text{CO}_2 \text{H}$ Propanoic
acid

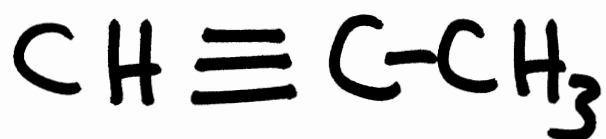
$\text{CH}_3 \text{CH}_2 \text{NH}_2$ amine



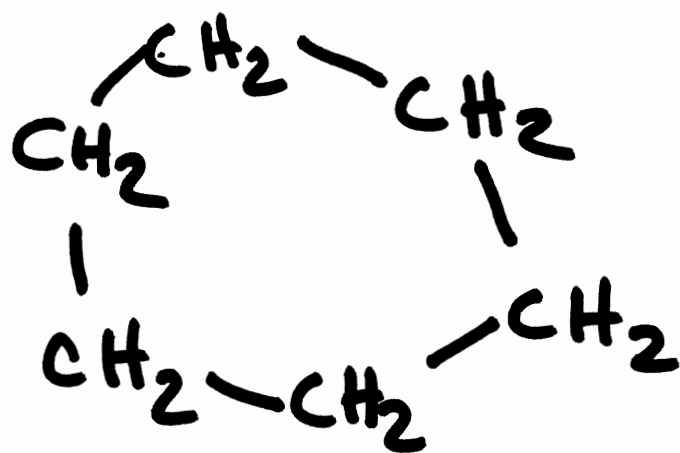
propane
alkane



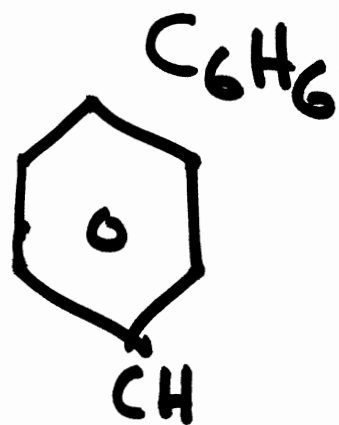
propene



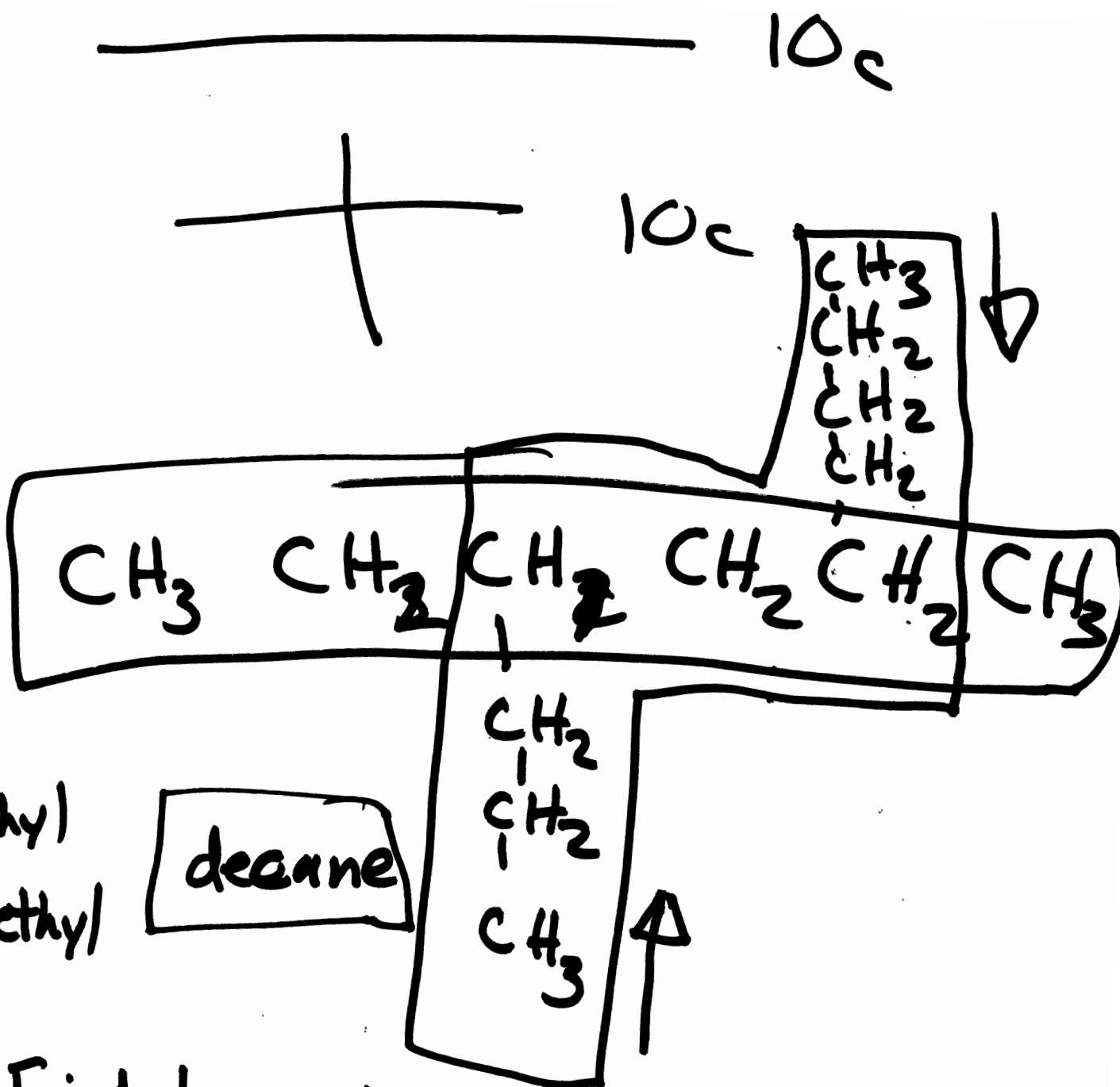
propyne



C_6H_{12}
Cyclohexane



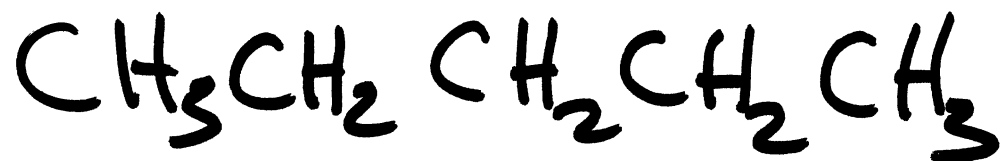
C_6H_6
Benzene



4-ethyl
6-methyl

decane

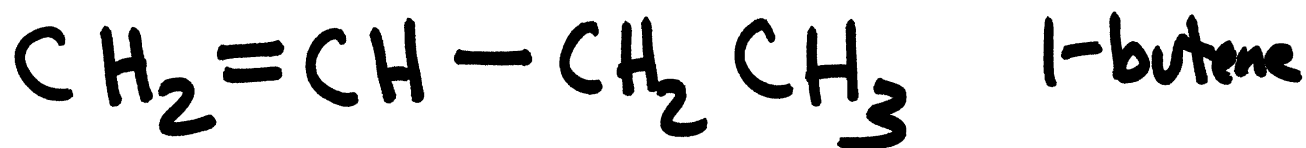
- ① Find longest chain
- ② # atoms
- ③ # substituents using lowest # combo



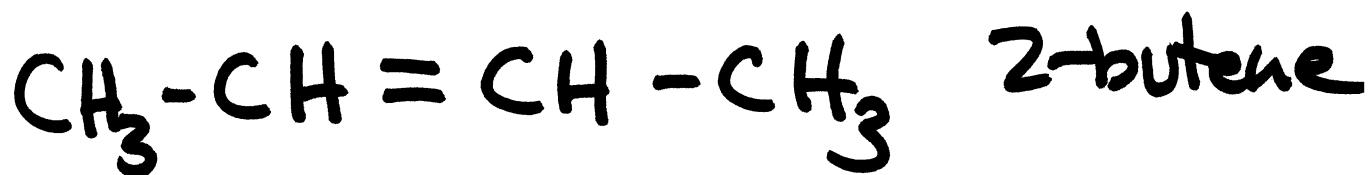
n - Pentane

Hexane C_6H_{14}

Cyclohexane C_6H_{12}



1 2 3 4



butene

