

1. What is Organic Chemistry? Name a few applications.

2. Draw the structure of
 $\text{CH}_3\text{CH}_2\text{CHCHCH}_2\text{NHCH}_2\text{CHO}$
 $\text{CH}_3\text{CO}_2\text{CH}_2\text{COCH}_3$

3. Draw any 6 of the 9 possible structural isomers for alkanes with formula C_7H_{16} .