2 butanoic + 1- hexanol --> hexy | butanoate + water acid

Unit 1 - Organic Chemistry

- Characteristics of organic compounds
- Identifying and drawing isomers
- General formulas of alkanes, alkenes, alkynes, and cyclic compounds
- Sigma vs. Pi bonding C-C, C=C, C≡C
- Draw and name hydrocarbons that have alkyl substituents
- Aromatic Compounds Pheny I

 O, M, P
- Name and draw the following hydrocarbon derivatives:

⇒Organic Halides
$$R-X$$
⇒Alcohols $R-CH$ "-ol"

 $R_1 - O - R_2$ ⇒Ethers
⇒Aldehydes $R - C - H$
 $R_1 - C - R_2$ ⇒Ketones
⇒Carboxylic Acids
⇒Esters
• Reactions

Cottiz - Cntten - one double or cycloalkane

Cottent 2

Reactions

- Cracking (break into pieces)
- Reforming (two small—— one big)
- Combustion (burned, common oxides)
- Addition (breaking a pi bond(s))
- Substitution (break a C-H bond and replace with halide)
- Elimination (adding a pi bond)
- Esterification

 $(carboxylic\ acid + alcohol \longrightarrow ester)$

p. 719-720 #37-46, 49, 50, 54-56, 59-61, 63, 64

p. 757-758 #26-35, 38, 40, 43-45

