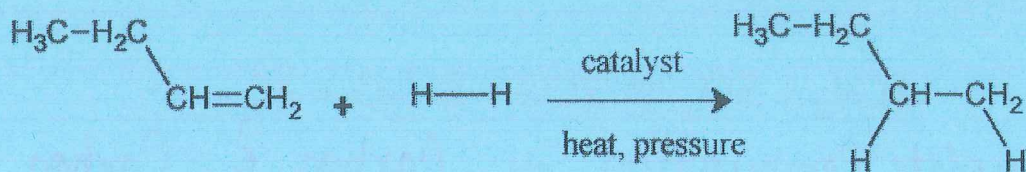
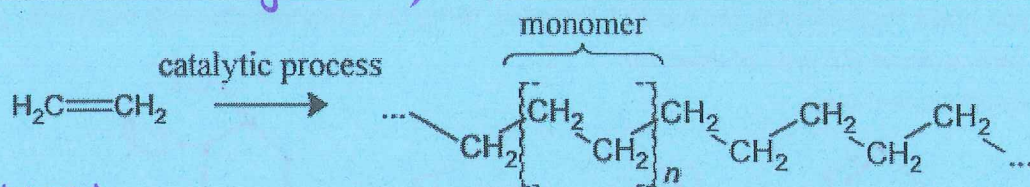


Organic Reactions Worksheet

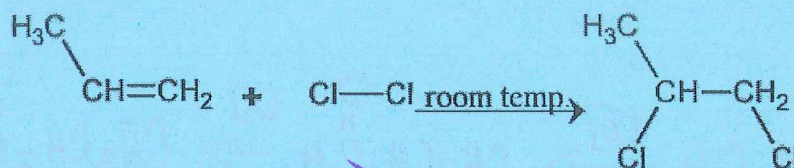
Observe the chemical equations below. In part a write the name of the type of reaction that is represented by the equation. In part b, use IUPAC nomenclature to name the major product.



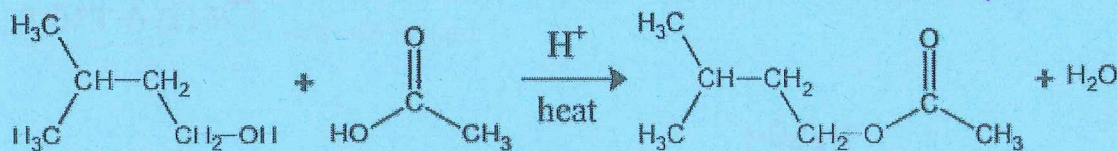
1a) ADDITION (Hydrogenation) 1b) butane



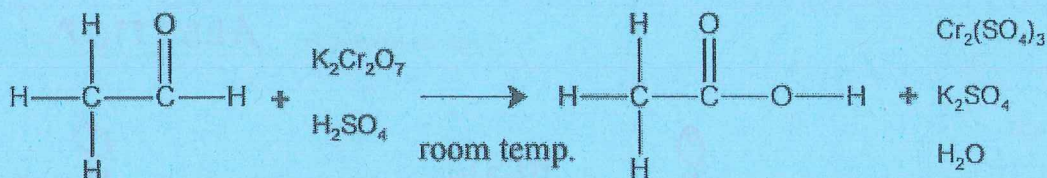
2a) Addition Polymerization 2b) polyethene



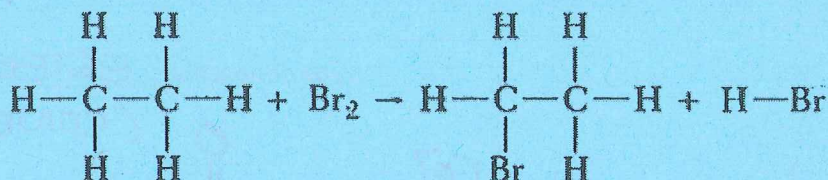
3a) ADDITION (chlorination) 3b) 1,2-dichloropropane



4a) Esterification (Condensation) 4b) 3-methylbutyl ethanoate

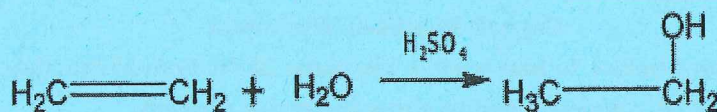


5a) OXIDATION ALDEHYDE 5b) Ethanoic Acid



6a) SUBSTITUTION 6b) Bromoethane

Name: _____



7a) Addition (Hydration)

7b) Ethanol



8a) Incomplete Combustion

8b) Carbon & Carbon Monoxide

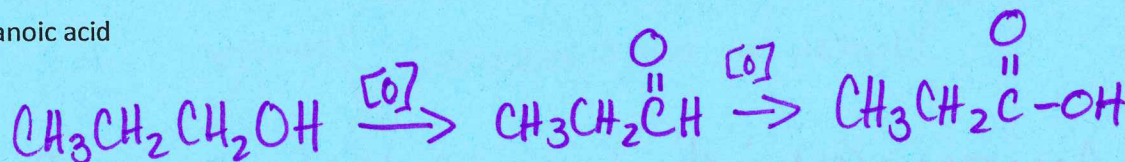
How could you make the following chemicals? For each, write the equation showing reactants, products and conditions. Also indicate the type of reaction.

9a) 1,2-dichlorocyclopentane



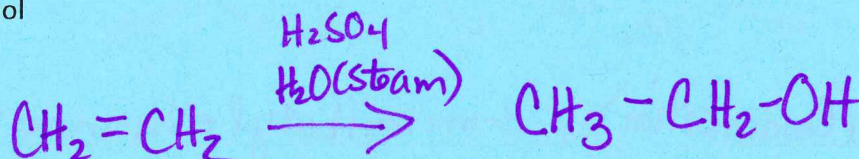
Type of Reaction Addition

9b) propanoic acid



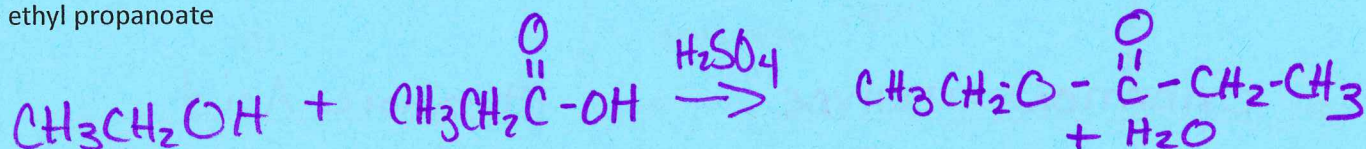
Type of Reaction OXIDATION

9c) ethanol



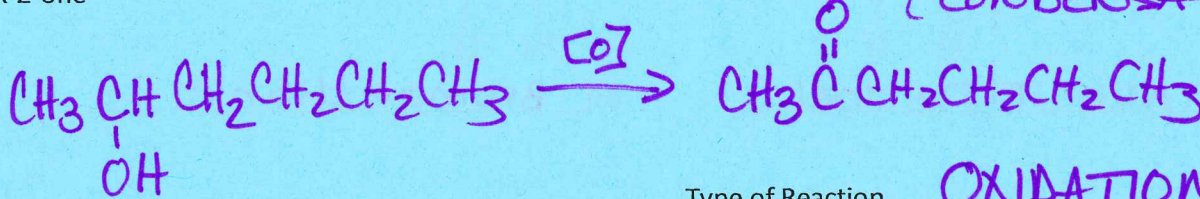
Type of Reaction ADDITION

9d) ethyl propanoate



Type of Reaction ESTERIFICATION
(CONDENSATION)

9e) hex-2-one



Type of Reaction OXIDATION