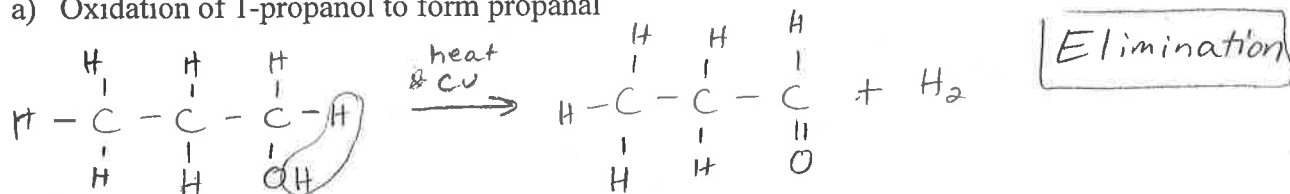


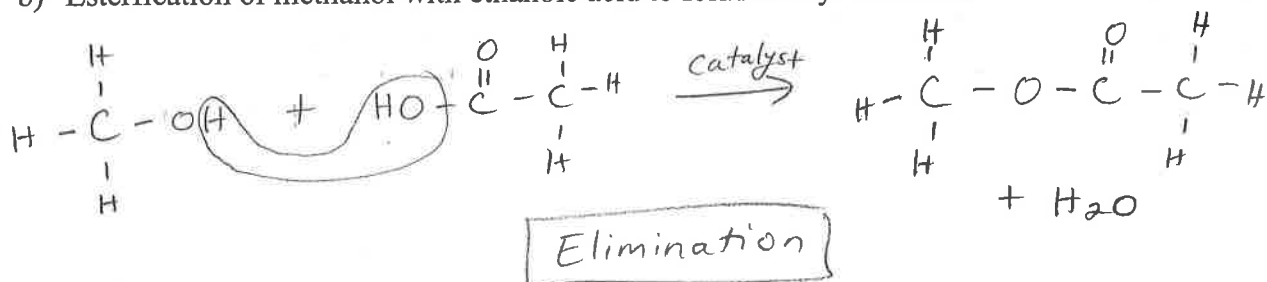
Organic Reactions Worksheet

1. Write out the structures of the reactants and products in the organic reactions below. Indicate any catalysts required and whether it was a substitution, addition, or elimination reaction.

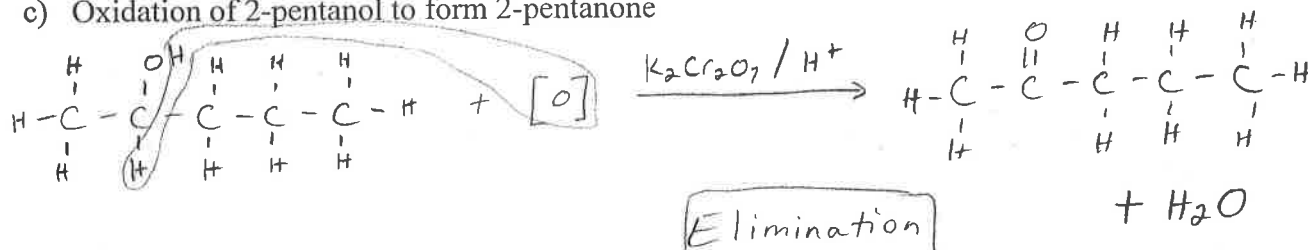
a) Oxidation of 1-propanol to form propanal



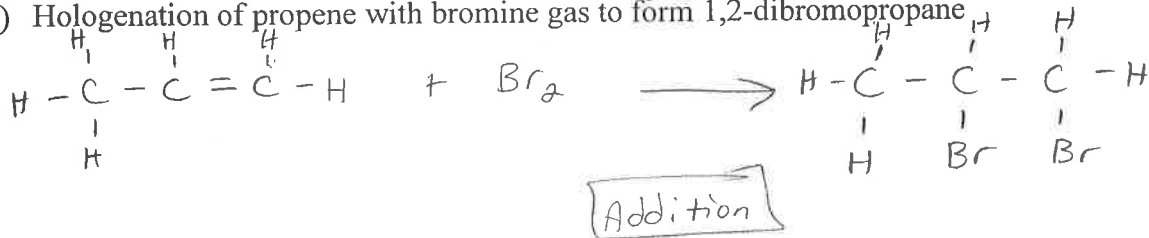
b) Esterification of methanol with ethanoic acid to form methyl ethanoate



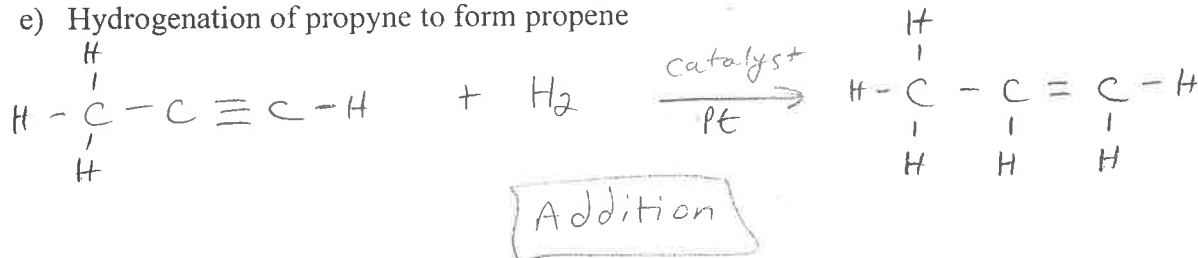
c) Oxidation of 2-pentanol to form 2-pentanone



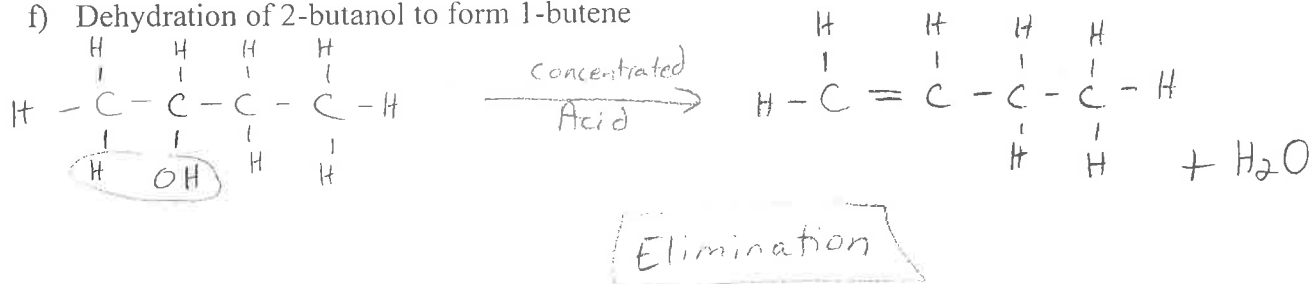
d) Halogenation of propene with bromine gas to form 1,2-dibromopropane



e) Hydrogenation of propyne to form propene

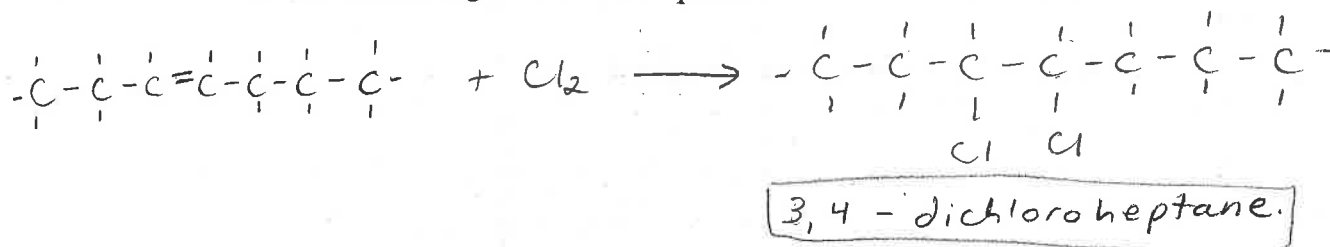


f) Dehydration of 2-butanol to form 1-butene

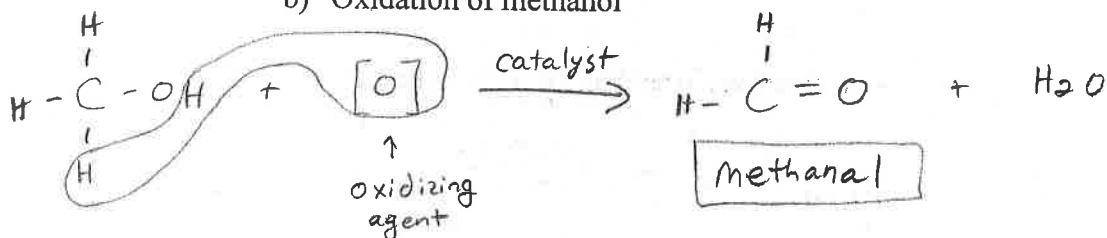


2. Write out the structures of the reactants in the organic reactions below. Determine what product will be formed. Draw the structure of the product and name it.

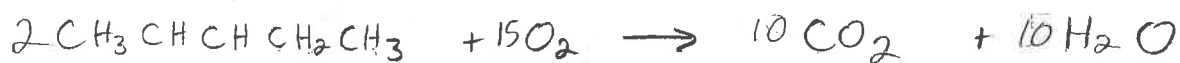
a) Chlorine halogenation of 3-heptene



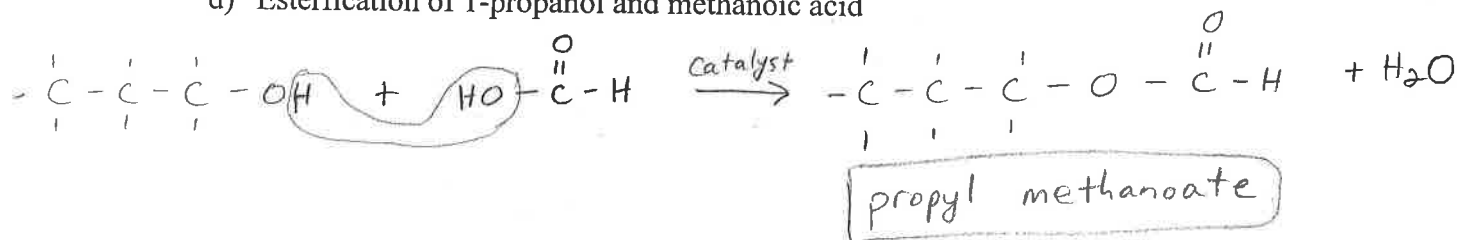
b) Oxidation of methanol



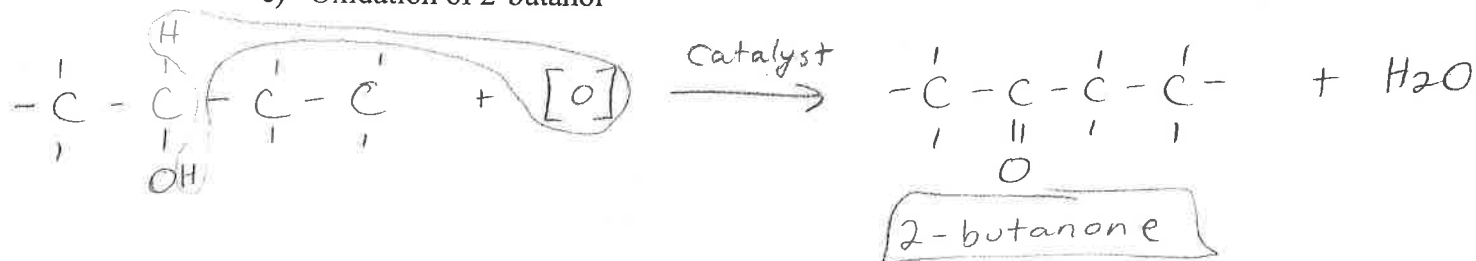
c) Combustion of 2-pentene



d) Esterification of 1-propanol and methanoic acid



e) Oxidation of 2-butanol



f) Dehydration of ^{1-propanol} propanol and ethanol

