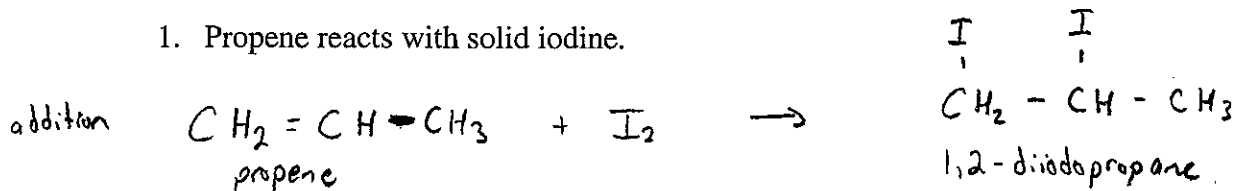


## WS 6 - Organic Reactions

For each of the following reactions:

- Draw the reaction.
- Give the reaction type.
- Name the organic reactant(s) and product(s)

1. Propene reacts with solid iodine.

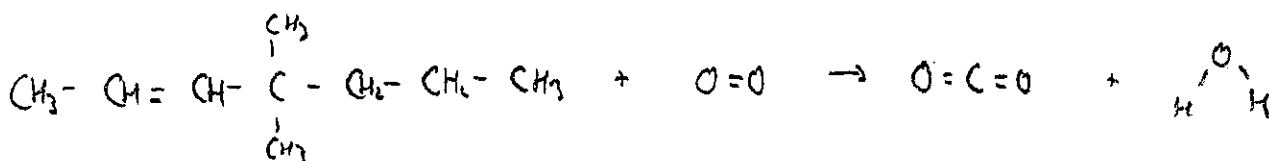


hydrocarbon  
combustion



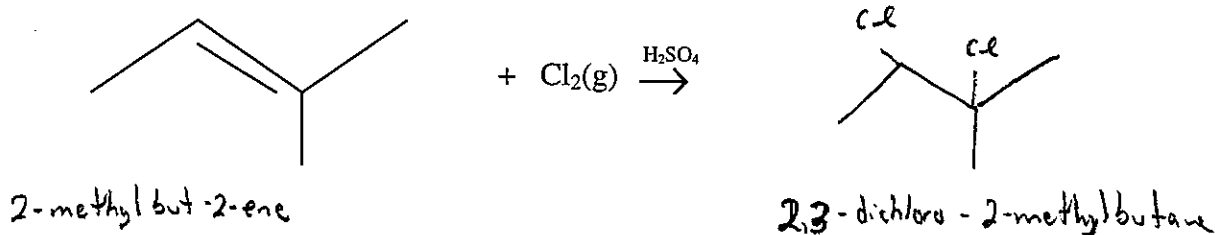
3. 4,4-dimethylhept-2-ene reacts with oxygen.

hydrocarbon  
combustion



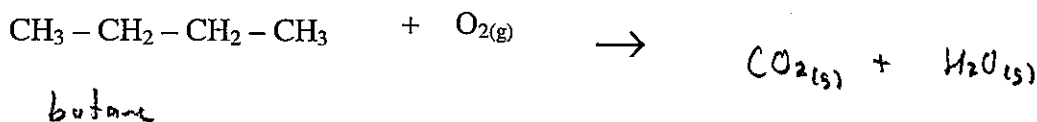
4.

addition



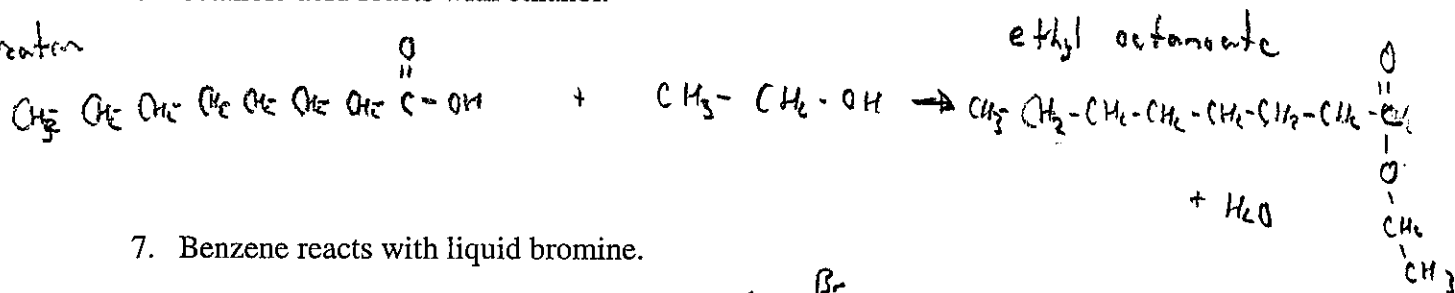
5.

hydrocarbon  
combustion



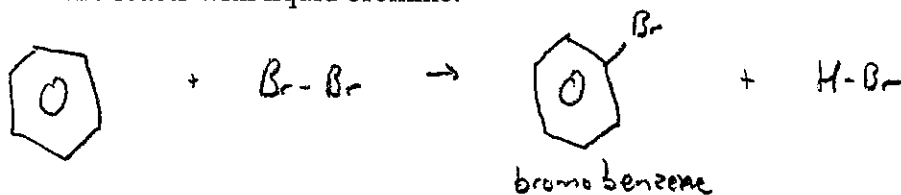
6. octanoic acid reacts with ethanol.

esterification



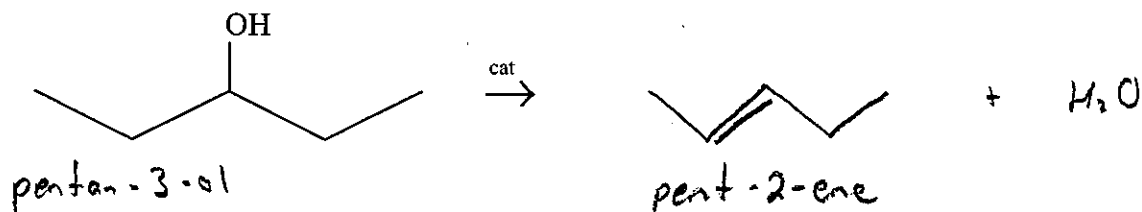
7. Benzene reacts with liquid bromine.

substitution



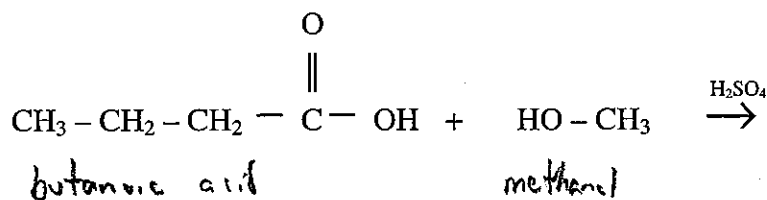
8.

elimination

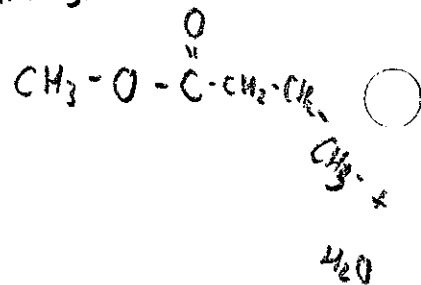


9.

esterification

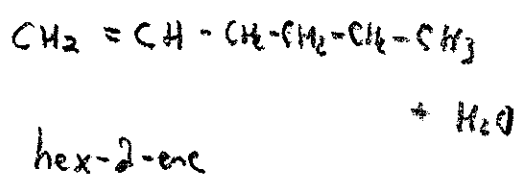
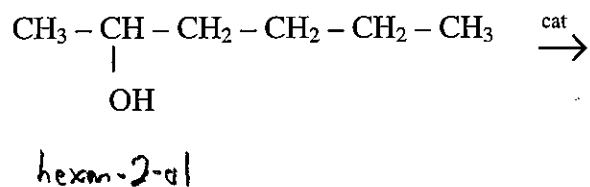


methyl butanoate

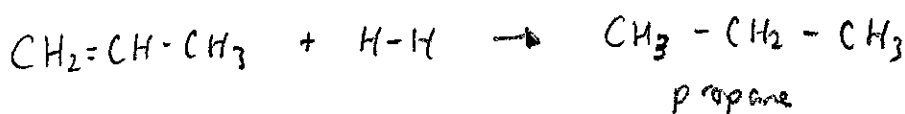


10.

elimination

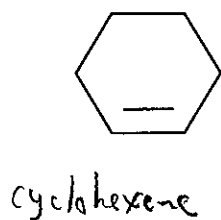
11. propene + hydrogen  $\xrightarrow{\text{cat}}$ 

addition

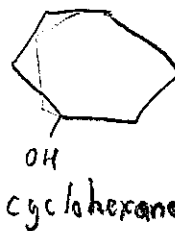


12.

addition



+

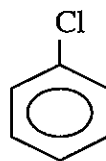


13.

substitution



+



+

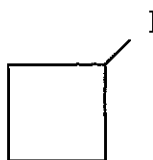


14.

substitution



+



+



15. pent-2-ene + bromine

addition

