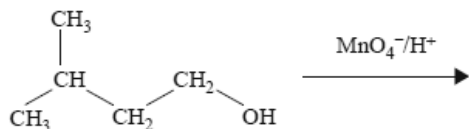


# Organic (2014 VCE)

1)



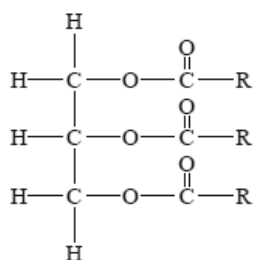
Solution will appear here

What is the systematic name for the product of the reaction above?

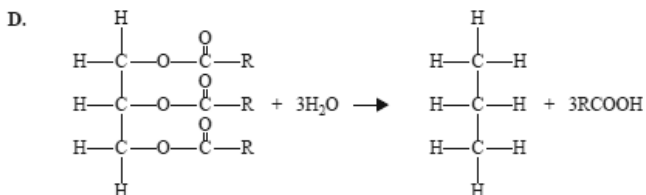
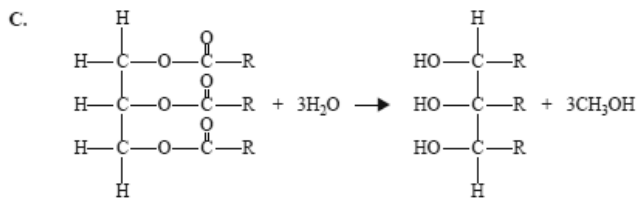
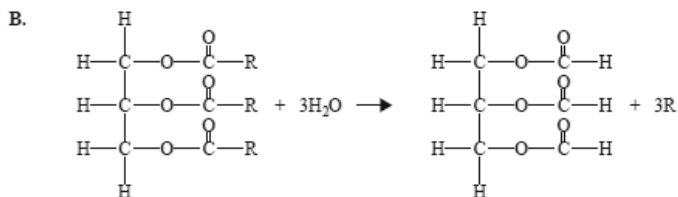
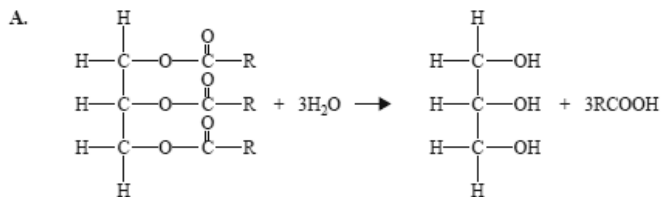
- A. 2-methylpentanoic acid
- B. 4-methylpentanoic acid
- C. 2-methylbutanoic acid
- D. 3-methylbutanoic acid

Solution

2) The general formula of a triglyceride can be represented as follows.



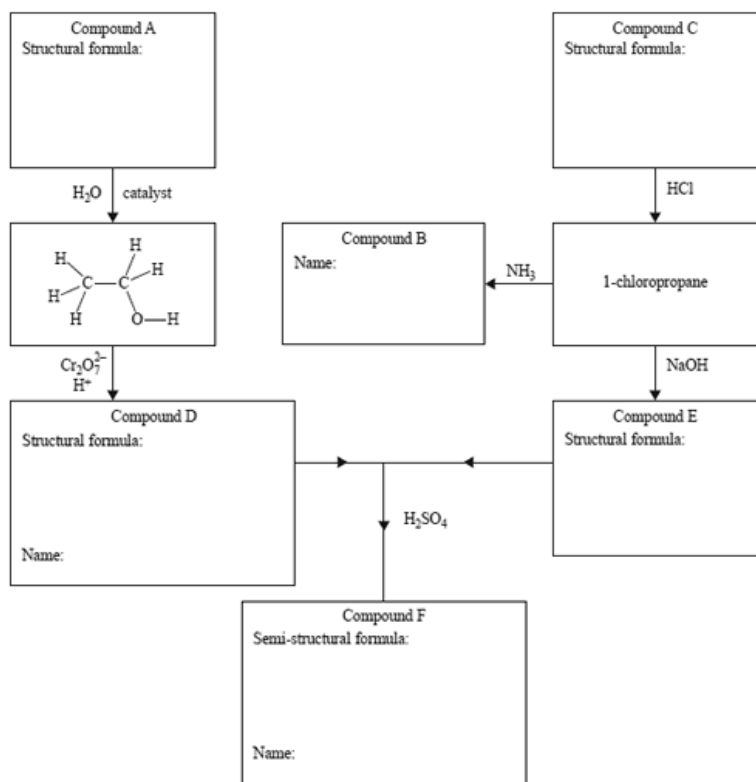
Which one of the following equations represents the hydrolysis of a triglyceride?



Solution will appear here

Solution

3) Compounds B and F may be synthesised as follows.



Solution will appear here

a) Draw the structural formulae for Compounds A, C, D and E in the boxes provided.

Solution

b) What are the systematic names of Compounds B and D?

Solution

Solution will appear here

c) Give the semi-structural formula and systematic name of Compound F

Solution

Solution will appear here