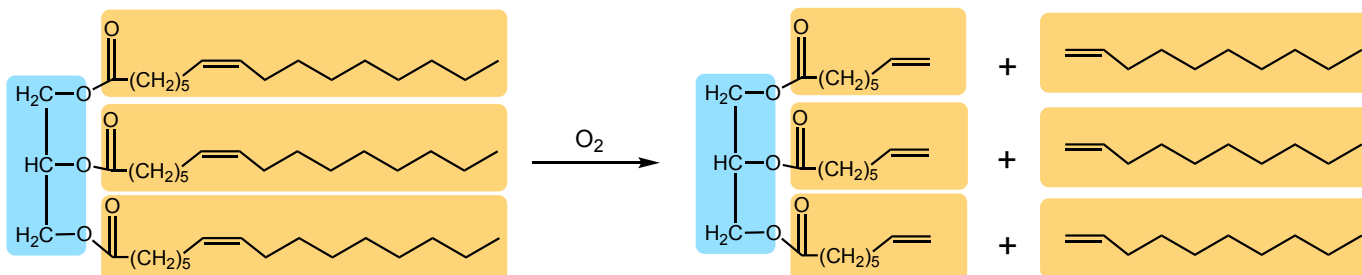


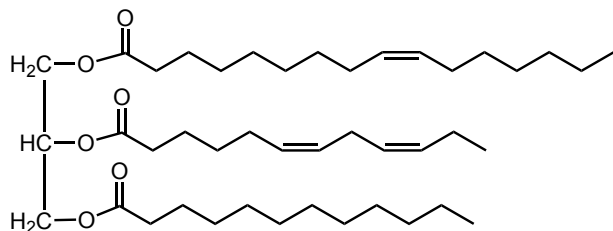
CONCEPT: TRIACYLGLYCEROL REACTIONS: OXIDATION

- Under this type of reaction _____ cleaves pi bond(s) to create _____.

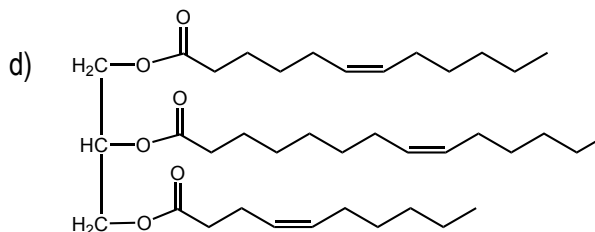
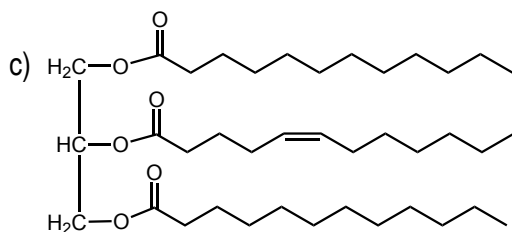
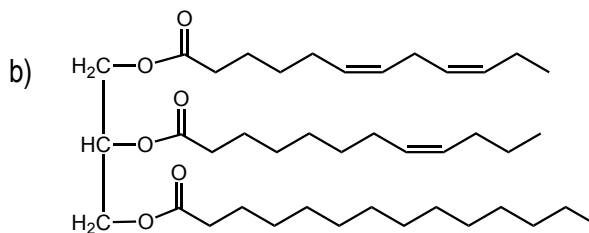
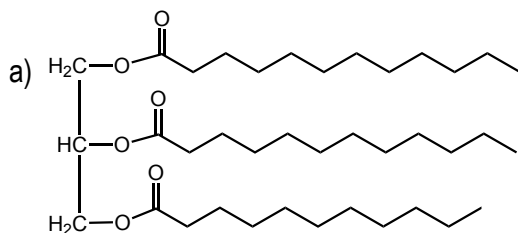
Oxidation Reactions



EXAMPLE: Determine the products created under the following oxidation reaction.



PRACTICE: Which of the following triacylglycerols cannot undergo an oxidation reaction?



PRACTICE: Match each of the following statements with hydrogenation (A), Acid-Catalyzed Hydrolysis (B), Saponification (C) or Oxidation (D).

- _____ Glycerol is one of the products created.
- _____ C=O bonds are created in the process.
- _____ C=C bonds are converted to C-C bonds in the process.
- _____ Salts of fatty acids are some of the products created.