

Activity 38: Peptide Condensation and Hydrolysis

Learning Objectives

Recognize the functional group amide, which forms the peptide bond between amino acids

Draw the products of a biological condensation (between two amino acids, two monosaccharides, or three fatty acids and a glycerol)

Draw the products of a biological hydrolysis reaction

Estimated Completion Time

20–30 Minutes

Instructor Information

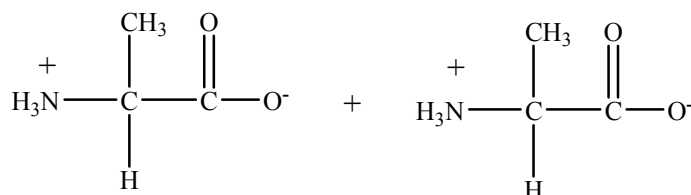
This activity introduces peptides and reinforces condensation and hydrolysis.

ANSWERS TO QUESTIONS

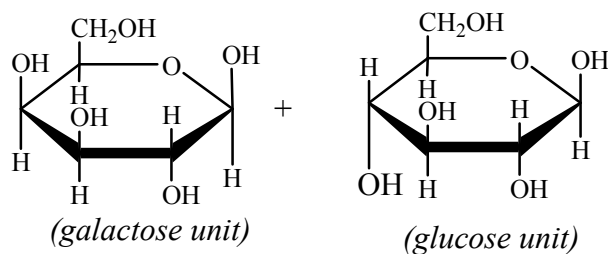
1. Amide

2. Four; three

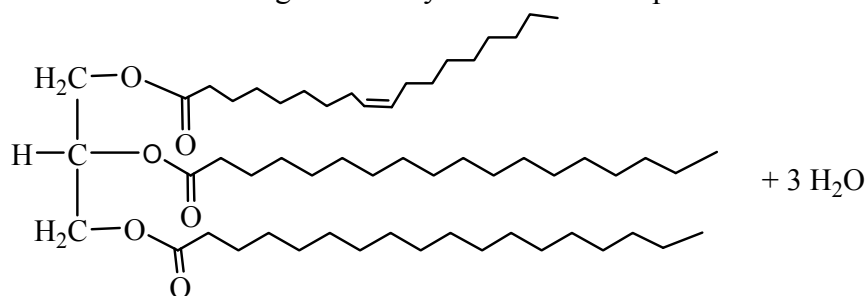
3.



4.

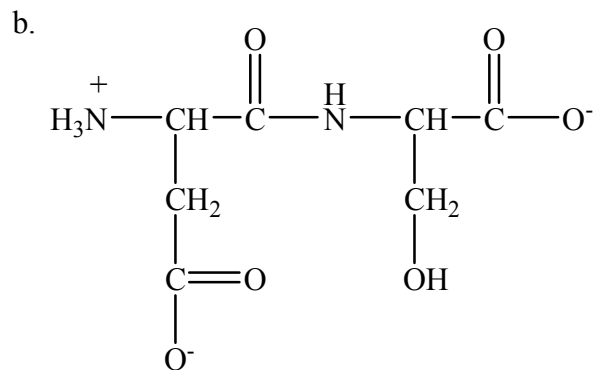
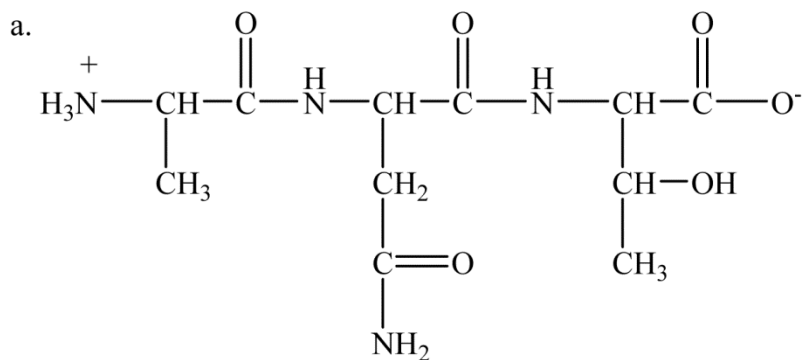


5. The esterification ordering of the fatty acids cannot be predicted.

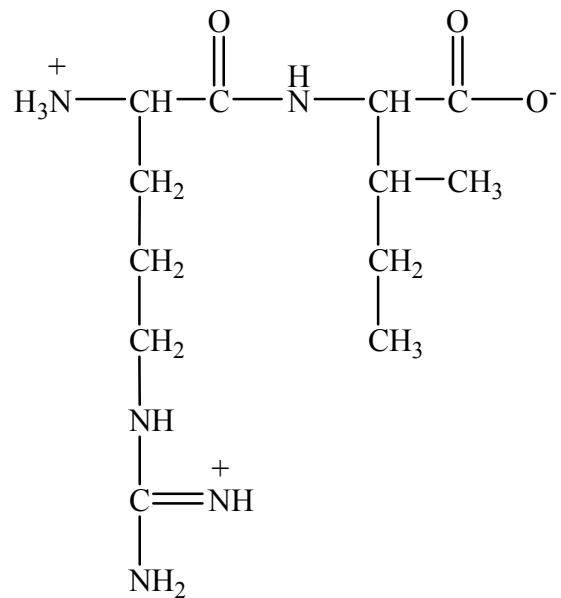


Activity 38: Skill Development

1.



c.



2.

