

Assessment

Organic Chemistry-5



Which of the following is a polysaccharide?

- A. Sucrose**
- B. Glucose**
- C. Cellulose**
- D. Hexose**
- E. Two of the above**

A peptide bond consists of what functional group?

- a. amine**
- b. carboxylic acid**
- c. ester**
- d. amide**

Which two monosaccharides compose sucrose?

- A. Glucose and fructose**
- B. Glucose and galactose**
- C. Glucose and glucose**
- D. Galactose and galactose**
- E. Fructose and galactose**

The disaccharide that is found in milk and milk products is _____.

A) cellobiose

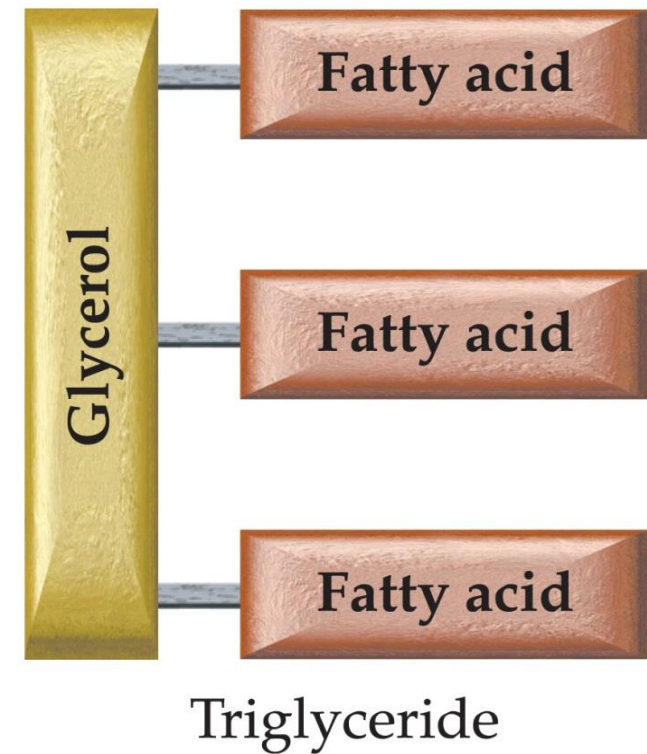
B) **lactose**

C) maltose

D) sucrose

Which functional group is found in a triglyceride?

- A. Alcohol
- B. Ether
- C. Carboxylic acid
- D. Ester**
- E. Amide



What characterizes a triacylglycerol?

- A. the presence of three –OH groups**
- B. long-chain fatty acids with double bonds**
- C. three fatty acids connected to glycerol by ester bonds**
- D. the presence of a benzene ring**

Which nucleic acid is NOT found in mRNA?

- A. Adenine**
- B. Cytosine**
- C. Guanine**
- D. Thymine**
- E. Uracil**

Which nucleotide below is found in DNA, but not in RNA?

- a. adenine**
- b. guanine**
- c. thymine**
- d. cytosine**

Which of the following nitrogen bases is not a component of DNA?

- A. adenine**
- B. guanine**
- C. cytosine**
- D. uracil**

Almost all amino acids have which two functional groups?

- A. Amino and amine**
- B. Amine and carboxylic acid**
- C. Amine and aldehyde**
- D. Amino and carboxylic acid**
- E. Amide and alcohol**