

# 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?**

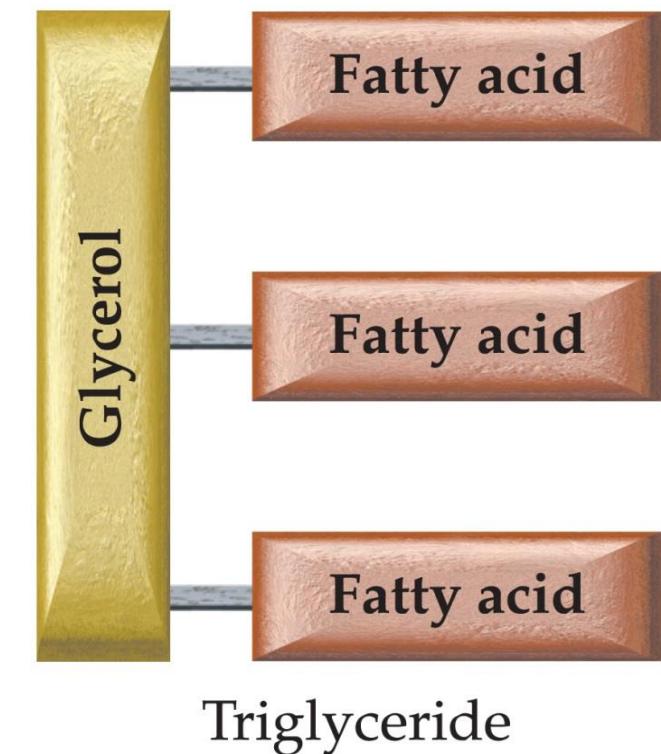
- A. Glucose and fructose**
- B. Glucose and galactose**
- C. Glucose and glucose**
- D. Galactose and galactose**
- E. Fructose and galactose**

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