

# Biology 03

# Biological

# Macromolecules

# MCQ

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## 4. Chapter: Biology 03 Biological Macromolecules MCQ

### 1. Biology 03 Biological Macromolecules MCQ Questions

#### 4.1.1. Dehydration synthesis leads to formation of

Author: OpenStax College

Dehydration synthesis leads to formation of

Please choose only one answer:

- monomers
- polymers
- water and polymers
- none of the above

Check the answer of this question online at QuizOver.com:

Question: [Dehydration synthesis leads to format OpenStax College Biology 03](#)

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#### 4.1.2. During the breakdown of polymers, which of the following reactions ...

Author: OpenStax College

During the breakdown of polymers, which of the following reactions takes place?

Please choose only one answer:

- hydrolysis
- dehydration
- condensation
- covalent bond

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4.1.3. An example of a monosaccharide is \_\_\_\_\_.

Author: OpenStax College

An example of a monosaccharide is \_\_\_\_\_.

Please choose only one answer:

- fructose
- glucose
- galactose
- all of the above

Check the answer of this question online at QuizOver.com:

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#### 4.1.4. Cellulose and starch are examples of:

Author: OpenStax College

Cellulose and starch are examples of:

Please choose only one answer:

- monosaccharides
- disaccharides
- lipids
- polysaccharides

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#### 4.1.5. Plant cell walls contain which of the following in abundance?

Author: OpenStax College

Plant cell walls contain which of the following in abundance?

Please choose only one answer:

- starch
- cellulose
- glycogen
- lactose

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4.1.6. Lactose is a disaccharide formed by the formation of a \_\_\_\_\_ bon...

Author: OpenStax College

Lactose is a disaccharide formed by the formation of a \_\_\_\_\_ bond between glucose and \_\_\_\_\_.

Please choose only one answer:

- glycosidic; lactose
- glycosidic; galactose
- hydrogen; sucrose
- hydrogen; fructose

Check the answer of this question online at QuizOver.com:

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#### 4.1.7. Saturated fats have all of the following characteristics except:

Author: OpenStax College

Saturated fats have all of the following characteristics except:

Please choose only one answer:

- they are solid at room temperature
- they have single bonds within the carbon chain
- they are usually obtained from animal sources
- they tend to dissolve in water easily

Check the answer of this question online at QuizOver.com:

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#### 4.1.8. Phospholipids are important components of \_\_\_\_\_.

Author: OpenStax College

Phospholipids are important components of \_\_\_\_\_.

Please choose only one answer:

- the plasma membrane of animal cells
- the ring structure of steroids
- the waxy covering on leaves
- the double bond in hydrocarbon chains

Check the answer of this question online at QuizOver.com:

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4.1.9. The monomers that make up proteins are called \_\_\_\_\_.

Author: OpenStax College

The monomers that make up proteins are called \_\_\_\_\_.

Please choose only one answer:

- nucleotides
- disaccharides
- amino acids
- chaperones

Check the answer of this question online at QuizOver.com:

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#### 4.1.10. The $\alpha$ helix and the $\beta$ -pleated sheet are part of which protein struc...

Author: OpenStax College

The  $\alpha$  helix and the  $\beta$ -pleated sheet are part of which protein structure?

Please choose only one answer:

- primary
- secondary
- tertiary
- quaternary

Check the answer of this question online at QuizOver.com:

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4.1.11. A nucleotide of DNA may contain \_\_\_\_\_.

Author: OpenStax College

A nucleotide of DNA may contain \_\_\_\_\_.

Please choose only one answer:

- ribose, uracil, and a phosphate group
- deoxyribose, uracil, and a phosphate group
- deoxyribose, thymine, and a phosphate group
- ribose, thymine, and a phosphate group

Check the answer of this question online at QuizOver.com:

Question: [A nucleotide of DNA may contain . OpenStax College Biology 03 Quest](#)

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4.1.12. The building blocks of nucleic acids are \_\_\_\_\_.

Author: OpenStax College

The building blocks of nucleic acids are \_\_\_\_\_.

Please choose only one answer:

- sugars
- nitrogenous bases
- peptides
- nucleotides

Check the answer of this question online at QuizOver.com:

Question: [The building blocks of nucleic acids are OpenStax College Biology](#)

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