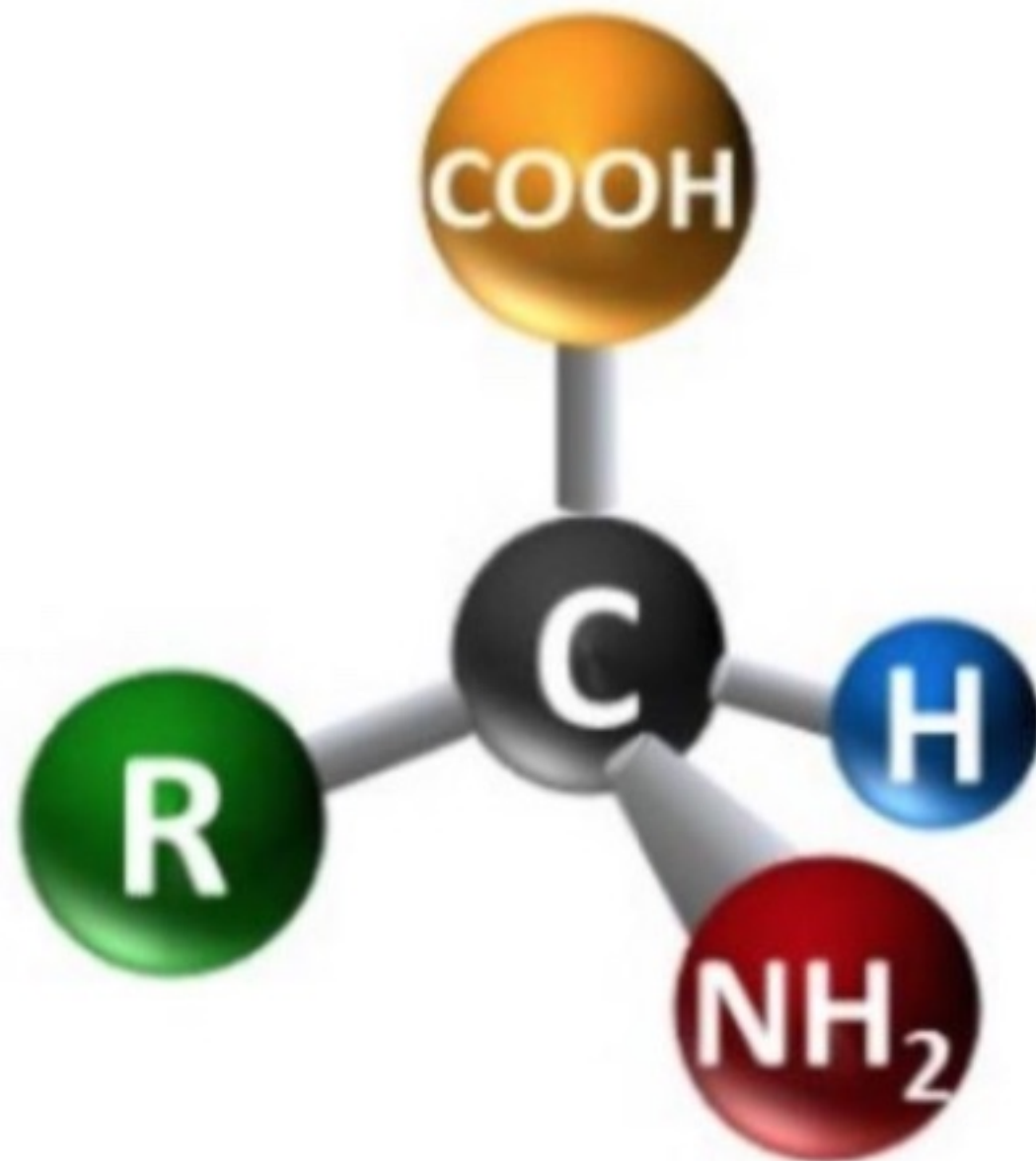


# Amino Acids



1. The incorrect statement about disulfide bond is:

- A. It can occur intramolecular or intermolecular.
- B. It's a covalent bond.
- C. It can occur only on intramolecular
- D. It occurs between two closely cysteine residues
- E. the oxidation of two cysteine produces cystine

ANSWER: C

17. All of them can be rotated except:

A. Proline

B. Glycine

C. Serine

ANSWER: 

18. All of them is alpha amino acids except:

A. Serine

B. Phenylalanine

C. Glycine

D. Proline

E. GABA

ANSWER: 

6. All of the following is alpha amino acid except:

A. valine

B. Isoleucine

C. alanine

D. Phenylalanine

ANSWER:



28. Which of the following is not a derivative from tyrosine?

- Serotonin

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29. All amino acids are alpha except:

- Alanine

32. At which of the following, both functional groups of the amino acid are fully protonated:

-  $\text{pH}=1$



37. Which of the following is standard amino acid?

- Phenyl alanine

1. The precursor amino acid of adrenaline is:

- A. Histidine
- B. Tyrosine
- C. Glutamate
- D. Tryptophan
- E. Alanine

ANSWER: B

4. The amino acid which contains a free sulfhydryl group (-SH) in its side chain "R group" is:

A. Cysteine

B. Leucine

C. Methionine

D. Tyrosine

E. Cystine

**ANSWER:A**

12. Which one of the following compounds is optically active?

A. L-glycine

B. D-methionine

C. B-alanine

D. GABA

E. cystine



**ANSWER: E**

15. The amino acids: lysine, alanine, glutamic acid and selenocysteine share one common feature from the following?

- A. Standard amino acids
- B. Non-standard amino acids
- C. Proteinogenic amino acids
- D. Non-proteinogenic amino acids with protein role
- E. Non-proteinogenic amino acids with non-protein role

**ANSWER: C**

16. The one-letter code of amino acids sequence: V-N-L-K-Y-W-W-D-A-O matches one of the following three-letter code of amino acids sequence?

- A. Val-Asn-Leu-Lys-Tyr-Trp-Trp-Asp-Ala-Gln
- B. Val-Asp-Lys-Leu-Tyr-Trp-Trp-Asn Ala-Glu
- C. Pro-Asp-Lys-Leu-Tyr-Trp-Trp-Asn-Ala-Glu
- D. Val-Asn-Leu-Lys-Tyr-Trp-Trp-Asp-Ala-Glu
- E. Val-Asn-Leu-Lys-Tyr-Trp-Trp-Asn-Ala-Gin

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10-11

**ANSWER:A**

- L-fructose

A V K W G

??

10. The sequence of amino acid [alanine - valine - lysin - tryptophan - glycine - glutamate - proline - leucin] is?

- AVKEQGWPL

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23. The amino acid which contains a thioether group in its side chain "R group" is:

A. cysteine

B. leucine

C. methionine

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D. tyrosine

E. cysteine

ANSWER: ~~C~~  
A



28. Which of the following pairs of amino acids might contribute to protein conformation by forming electrostatic interactions?

- A. Glycine and leucine
- B. Glutamate and lysine
- C. Phenylalanine and tyrosine
- D. Lysine and arginine
- E. Tyrosine and aspartic

ANSWER: B

29. The pH value at which the molecule is neutral is called:

- A. zwitterion
- B. isoelectric point
- C. ampholyte
- D. anionic
- E. cationic

**ANSWER: B**

35. Which of the following pairs of amino acids might contribute to protein conformation by forming disulfide bond?

- A. Cysteine and cysteine
- B. Glutamate and lysine
- C. Phenylalanine and tyrosine
- D. Lysine and arginine
- E. Glycine and leucine

**ANSWER: A**

36. The... is an essential amino acid and required for the synthesis of tyrosine?

A. Arginine

B. Lysine

C. Tryptophan

D. Phenylalanine

E. Tyrosine

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ANSWER: A

D

38. The neutral form of amino acid is called ?

- A. Zwitterion
- B. Isoelectric point
- C. Ampholyte
- D. Anionic
- E. Cationic

ANSWER: A

41. The one-letter code of amino acids sequence: [M-N-L-H-Y-D-K-Q-A-R] matches one of the following three-letter code of amino acids sequence?

- A. Met-Asp-Leu-His-Tyr-Asp-Lys-Gln-Ala-Arg
- B. Met-Asn-Leu-His-Tyr-Asn-Lys-Gln-Ala-Arg
- C. Met-Asn-Lys-His-Tyr-Asp-Leu-Gln-Ala-Arg
- D. Met-Asn-Leu-His-Tyr-Asp-Lys-Gln-Ala-Arg
- E. Met-Asn-Leu-His-Trp-Asp-Lys-Gln-Ala-Arg

ANSWER: D

46. The amino acids: pyrrolysine, n-formyl methionine and selenocysteine share one common feature from the followings?

- A. Standard amino acids and proteinogenic
- B. Non-standard amino acids and non- proteinogenic
- C. Non-proteinogenic amino acids with protein role

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- D. Non-proteinogenic amino acids with non- protein role.
- E. Proteinogenic amino acids added to polypeptide chain by unique mechanism

**ANSWER: E**

60. The precursor amino acid of adrenaline is ?

- A. Histidine
- B. Tyrosine
- C. Glutamate
- D. Tryptophan
- E. Alanine

Done by: Toqa  
Best wishes

**ANSWER: B**