1. What is the primary structure of an amino acid?

A. The sequence of amino acids in a protein
B. The three-dimensional structure of a protein
C. The way amino acids interact with each other to form a protein
D. The sequence of nucleotides in DNA

2. What is the difference between a polar amino acid and a nonpolar amino acid?

A. Polar amino acids have a higher melting point than nonpolar amino acids.
B. Nonpolar amino acids have a higher melting point than polar amino acids.
C. Polar amino acids have a charged side chain, while nonpolar amino acids do not.
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3. Which of the following is not a property of amino acids?

A. They are the building blocks of proteins.
B. They are the monomers of proteins.
C. They have a central carbon atom.
D. They are amphipathic.

4. Which of the following is not a type of amino acid?

A. Glycine
B. Proline
C. Histidine
D. Lipid

5. How many amino acids are there?

A. 20
B. 22
C. 24
D. 26

6. What is the difference between a protein and a peptide?

A. Proteins are composed of amino acids, while peptides are not.
B. Proteins are larger than peptides.
C. Peptides are composed of amino acids, while proteins are not.
D. Peptides are smaller than proteins.

7. What is the difference between an amino acid and a nucleotide?

A. Amino acids are the building blocks of proteins, while nucleotides are the building blocks of DNA.
B. Nucleotides are the building blocks of proteins, while amino acids are the building blocks of DNA.
C. Amino acids are the building blocks of DNA, while nucleotides are the building blocks of proteins.
D. Nucleotides are the building blocks of DNA, while amino acids are the building blocks of RNA.

8. What is the difference between an amino acid and a hormone?

A. Amino acids are the building blocks of proteins, while hormones are the regulators of metabolism.
B. Hormones are the building blocks of proteins, while amino acids are the regulators

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9. What is the difference between an amino acid and an enzyme?

A. Amino acids are the building blocks of proteins, while enzymes are proteins that catalyze chemical reactions.
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10. What is the difference between an amino acid and an antibody?

A. Amino acids are the building blocks of proteins, while antibodies are proteins that recognize and bind to specific antigens.
B. Antibodies are the building blocks of proteins, while amino acids are proteins that recognize and bind to specific antigens.
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