

APOLLO

Proteins

SL

Biology

First assessment 2025

4 questions | questions

- 3.** How are amino acids joined together to form a dipeptide?
- A. Single bond between a carbon and a hydrogen
 - B. Hydrolysis reaction forming a hydrogen bond
 - C. Anabolism forming a double bond
 - D. Condensation reaction forming a peptide bond

4. What must vegans ensure when they plan their diet?
- A. Higher protein consumption than meat-eaters
 - B. Sufficient quantities of all essential amino acids are consumed
 - C. Only proteins with all 20 amino acids are consumed
 - D. Higher fat consumption than meat-eaters

Turn over

3. The table shows some essential and non-essential amino acids.

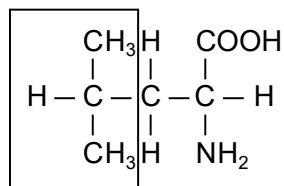
Essential amino acids	Non-essential amino acids
valine	alanine
lysine	glycine

What is a valid conclusion for an amino acid in the table?

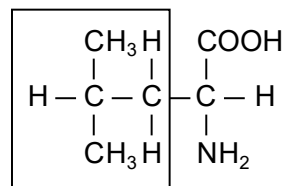
- A. Lysine is synthesized by the human body.
- B. Alanine can only be obtained from food.
- C. Glycine is not used in the human body.
- D. Valine must be supplied in the diet.

4. The diagrams show the structure of leucine, an essential amino acid. Which diagram highlights the part of leucine that distinguishes it from other amino acids?

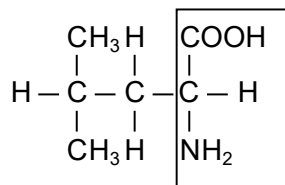
A.



B.



C.



D.

