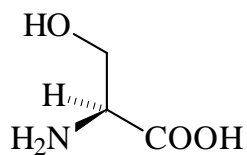


Marks
6

- The amino acid serine is shown below:



List the substituents attached to the stereogenic centre in order of decreasing priority.

highest priority

lowest priority

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Assign the absolute configuration of the stereoisomer shown above.

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Draw the dipeptide formed by the condensation of two serine residues.

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Explain briefly what is meant by the *primary structure* of a protein.

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- Draw the repeating unit of the polymer formed in the following reaction.

2