

# Amino Acids

## Amino Acids Information: Highlight key words in the text below

Amino acids are small molecules that join together to form **proteins**, which are essential for the structure and function of living organisms. Each amino acid contains two important functional groups: an **amino group** ( $-\text{NH}_2$ ) and a **carboxylic acid group** ( $-\text{COOH}$ ). During a reaction called **condensation**, amino acids link together to form long chains called **polypeptides**, releasing a molecule of water each time a bond forms.

## Answer the questions below

What large molecules are formed when amino acids join together?  
\_\_\_\_\_

What two functional groups are found in every amino acid?  
\_\_\_\_\_

What small molecule is released when amino acids join together?  
\_\_\_\_\_

## Annotate the peptide bond formation diagram below

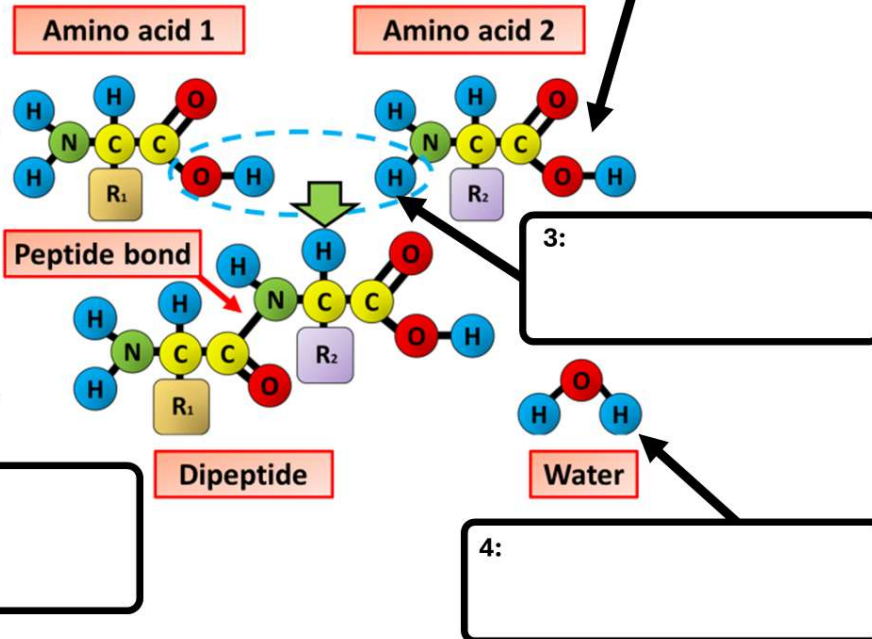
### Amino Acids

1:

2:

5:

6:



### Key questions

What type of molecule are amino acids the monomers of?

Which two functional groups are found in every amino acid?

What type of reaction joins amino acids together?

What small molecule is released during this reaction?

What is the name of the bond formed between amino acids?

What is a long chain of amino acids called?

Short  
Answers



Summary  
video



Diagram  
walkthru

