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Describe how a peptide bond is formed between two amino acids during polypeptide production.

You may use the space below to help with your answer.

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..... [3]

MARK SCHEME:

accept points from a diagram

- 1 loss of a water molecule / condensation reaction ;
- 2 OH / O⁻, from, carboxyl / -COOH / COO⁻ (group) of one amino acid ;
- 3 H / H⁺, from, amine / NH₂ / NH₃⁺ (group) of other amino acid ;
- 2/3 *allow one mark for ref. to involvement of carboxyl and amine group*
- 4 (peptide bond) links C–N ;

[3]