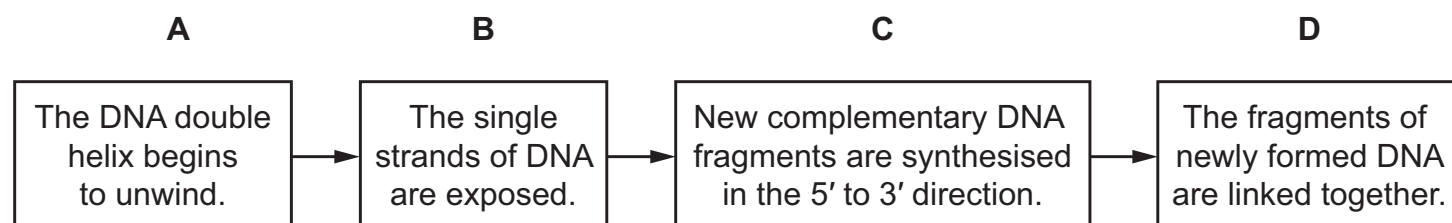


24 Which row describes the role of the enzymes DNA polymerase and DNA ligase?

	DNA polymerase	DNA ligase
A	adds nucleotides in a 5' to 3' direction	joins sections of DNA together on the lagging strand
B	adds nucleotides in a 3' to 5' direction	joins sections of DNA together on the leading strand
C	adds nucleotides in a 3' to 5' direction	joins sections of DNA together on the lagging strand
D	adds nucleotides in a 5' to 3' direction	joins sections of DNA together on the leading strand

24 The flow diagram shows some of the stages in the replication of a lagging strand of DNA.

Which stage of DNA replication uses the enzyme DNA ligase?



25 Which statements about complementary base pairing are correct?

- 1 It occurs during translation.
- 2 Purines and pyrimidines are the same size.
- 3 The base pairs are of equal length.
- 4 Uracil forms three hydrogen bonds with adenine.

A 1 and 2 **B** 1 and 3 **C** 2 and 3 **D** 3 and 4