

- 4 In a DNA molecule, bonds between pairs of bases hold two strands together. High temperatures can break these bonds to form two single strands of DNA.

The base pair C and G is held together more strongly than the base pair A and T.

Two DNA molecules containing the same number of bases were studied.

- In DNA molecule 1, 20% of bases are T.
- In DNA molecule 2, 20% of bases are C.

Which DNA molecule would require the lowest temperature to break into single strands?

- A** DNA molecule 1, because there are more A bases present.
- B** DNA molecule 1, because there are more G bases present.
- C** DNA molecule 2, because there are more A bases present.
- D** DNA molecule 2, because there are more G bases present.