Name:

DNA Base Pairing

Write the primary sequence from your DNA strand.

Add one more base (any one) to your sequence.

In the diagram to the right:

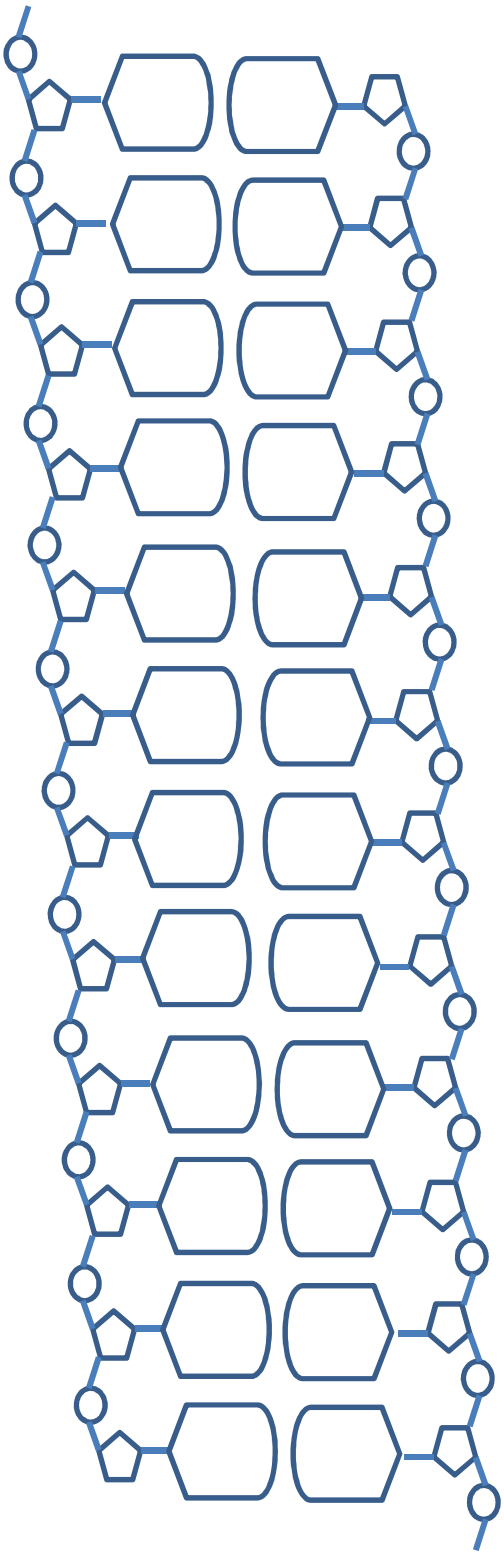
Colour the phosphate molecules purple.

Colour the sugar molecules brown.

Write your sequence down the left-hand column of bases.

Write the complementary sequence in the right-hand column.

Separate your sequence into four 3-letter ‘words.’



Name:

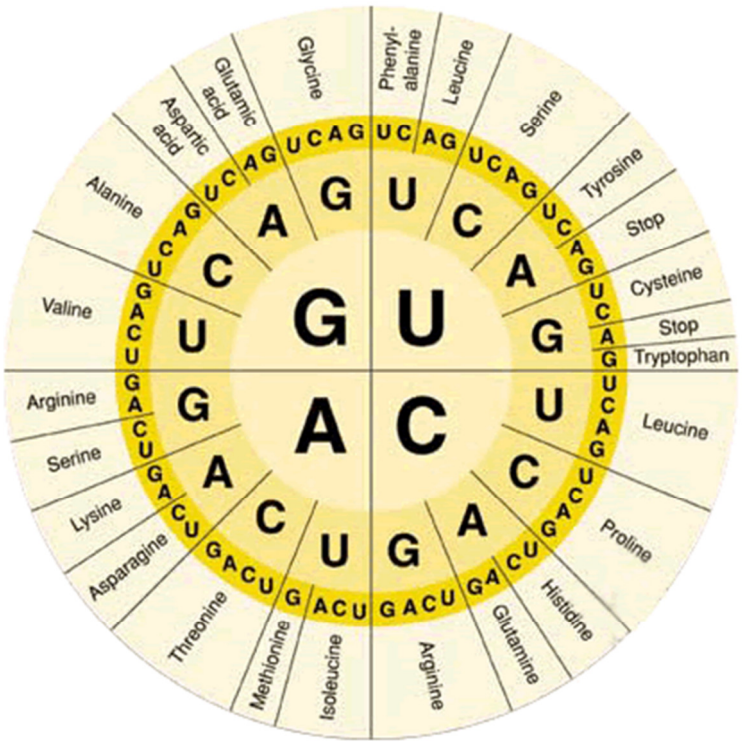
Match each ‘word’ to the correct amino acid using the diagram below (U=T).
Start at the centre and read outwards.

___ ___ ___ → _____

___ ___ ___ → _____

___ ___ ___ → _____

___ ___ ___ → _____



How many people in the class had the same four amino acids from their sequence?

How many had three of four the same?

What would be different if the fifth letter in your original sequence was removed (a deletion mutation)?