

 FILL IN THE GAP

Read the sentences and choose the correct word or words to fill the gap.

DNA contains instructions for all _____.

It could also improve the quality and effectiveness of medicines that treat _____.

The long DNA chain is broken up into _____ that exist in most cells of the human body.

It is possible to take a sample of cells from babies _____ they are born and to test and analyse their DNA.

There are countless different ways of arranging these nucleotides, meaning that it is all but impossible for two people to _____ exactly the same code by coincidence.

The instructions given to cells determine the _____ of living things.

Our genetic code is made up of DNA from both of our _____.

Siblings may _____ similar features, but their DNA is still different.

DNA testing can also be used by _____ scientists investigating crime.

Amongst other things, this may help to improve our understanding of _____ cancers.

Progress in understanding the substance was made by many researchers during the first half of the 20th century – and then, in _____, scientists James Watson, Francis Crick and Maurice Wilkins discovered the structure of DNA.

Because of this, it is known as _____ material: information that is passed on – inherited – through the generations.

As society's understanding of DNA develops, we will come to have a better understanding of how to treat and prevent _____ illness.

Even now, some DNA testing can be carried out _____, using simple kits bought from chemists.

MATCHING



Draw a line with a ruler to match the information.

23
1869
1953
1962

medical condition
twisted structure
DNA instructions determine
DNA testing

winners of the Nobel Prize
DNA
nucleotides
medical condition

Humans share DNA with
Home DNA tests are bought from
Better understanding of DNA may lead to
DNA tests

Friedrich Miescher studied
Rosalind Franklin provided
more progress was made
DNA strands

DNA structure discovered
Nobel Prize awarded
DNA first identified
pairs of chromosomes

eye colour
prevents illness and fights crime
cystic fibrosis
double helix

deoxyribonucleic acid
Watson, Crick and Wilkins
A,T, C and G
Down's syndrome

better understanding of different cancers
may reveal origins of ancestors
bananas
chemists

during the first half of the 20th century
can be separated
x-ray data
pus