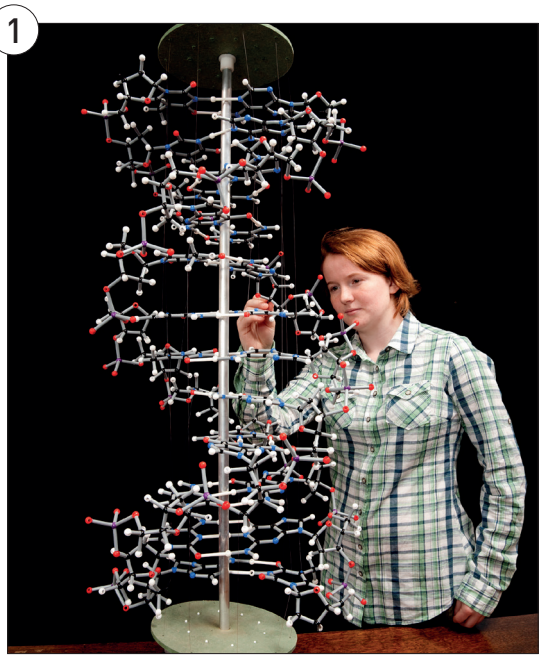
1

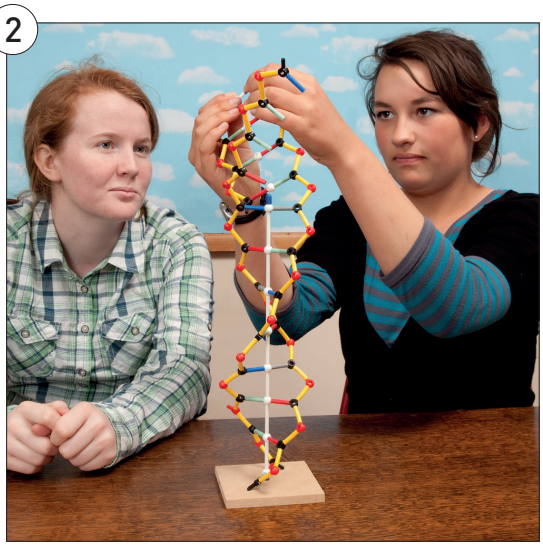


1. Orbit™ ProView™ DNA Model

View the structure and composition of DNA: 12 base pairs show more than one turn of the double helix and major and minor grooves. Every atom is shown, colour-coded, with the correct bonding angles. Pupils can make up the sub-assemblies in groups: thymine-adenine; cytosine-guanine, sugar rings and phosphate groups, which can then be brought together to make the finished model. The 85cm model is suspended between two plates on clear strings which can be hung or supported by a display stand (not included). Includes comprehensive instructions and a worksheet examining the structure of DNA.

Code	Pack	Price
SEL1012	Each	£122.58

2



2. Orbit™ DNA-RNA Model

Easy to assemble model illustrating a 12 base-pair section of DNA transcribing RNA. The separate pieces can be joined and taken apart to demonstrate transcription of RNA. Using the Orbit molecular modelling system, the five bases are shown in red, green, blue, grey and white, the sugar rings in black and the phosphate groups in red. Yellow tubes join the sugar and phosphate groups while white pieces show the hydrogen bonding between the bases. Contains support stand, instructions and RNA transcription activity. Height: 50cm.

Code	Pack	Price
SEL1014	Each	£15.49

3



3. molymod® RNA/Protein Synthesis Kit

RNA (ribonucleic acid) consists of the 3 bases C, G, A as in DNA and uracil (U), which replaces (T) thymine in DNA. The sugar group in RNA is ribose compared with deoxyribose in DNA. Ribose has more oxygen in the form of an OH group. This is represented by a darker red model piece. RNA is responsible for controlling the process of amino acid sequencing during protein synthesis. Each can be used to make a single strand model of messenger RNA carrying the genetic code (codons), and component parts to represent transfer RNA and an amino acid. These can be used to demonstrate the process of protein synthesis known as translation.

Contents of AMRNA12:

- 3 x uracil (U) light blue
- 3 x adenine (A) blue
- 3 x guanine (G) green
- 3 x cytosine (C) yellow
- 6 x ribose (dark red)
- 6 x phosphate (purple)
- 2 x amino-acid part
- 2 x transfer RNA part

Contents of AMRNA24 is the same but double the quantities.

Code	Description	Pack	Price
AMRNA12	RNA / protein synthesis kit	Each	£10.34
AMRNA24	Double quantity RNA / protein synthesis kit	Each	£16.16