

6 DNA and making proteins – Part 1

—Answers

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Work through these after you have tried the questions yourself.

2.1 (a) A pairs with T; (b) G pairs with C.

2.2 T–A–G–C (each base pairs with its partner).

2.3 a gene's DNA is copied into a messenger RNA molecule (mRNA).

2.4 a codon is a group of three bases on mRNA; it codes for one amino acid.

2.5 RNA is single-stranded (DNA is double), and RNA uses the base U (uracil) instead of T.