Mark schemes

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Essay Using DNA in science and technology

- **DNA and classification**
- 2.2 Structure of DNA
- 2.3 Differences in DNA lead to genetic diversity
- 2.9 Comparison of DNA base sequences

Genetic engineering and making useful substances

- 2.5 Plasmids
- 5.8 The use of recombinant DNA to produce transformed organisms that benefit humans

Other uses of DNA

- 2.5 Cell cycle and treatment of cancer
- 5.8 Gene therapy;

Medical diagnosis and the treatment of human disease;

The use of DNA probes to screen patients for clinically important genes.