AQA, OCR, Edexcel

GCSE Science

GCSE Biology

Genetic Engineering Questions

Name:

M M E

Mathsmadeeasy.co.uk

Total Marks: /20

Q1: What is genetic engineering?

(1 mark)

Q2: Give an example of engineered bacteria that are used for human health.

(1 mark)

Q3: Explain why genetically engineered mice are essential to human cancer research.

(4 marks)

Q4: Discuss the ways plants have been modified.

(3 marks)

Q5: Why are genetically modified crops important?

(1 mark)

Q6: How could scientists genetically modify plants to aid the efforts to reduce global warming?

(1 mark)

Q7: What future technology could genetic engineering provide to aid human health?

(1 mark)

Q8: What trait from jellyfish have scientists extracted for use in genetic engineering?

(1 mark)

Q9: Create a flow chart to show the process of transferring the insulin gene using a bacterial plasmid.

(6 marks)

Q10: What are genes inserted into when using bacterial cells to replicate?

- ☐ Allele
- ☐ Vector
- ☐ Embryo

(1 mark)