

0	1
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 . 

1
---

Where in a cell will you find DNA?

**Nucleus/chromosome**

**[1 mark]**

0	1
---	---

 . 

2
---

What does each gene code for?

**a sequence of amino acids/a protein**

**[1 mark]**

0	1
---	---

 . 

3
---

Define the term genome

**the entire genetic material of an organism**

**[1 mark]**

0	1
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 . 

4
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Describe how the Human Genome Project has helped establish a classification relationship between 2 species.

**DNA from both species sequenced [1]; DNA compared for similarities and differences [1]; the higher the number of similarities the more closely related the species [1]**

0	1
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 . 

5
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State 2 other uses of the Human Genome Project

**looking at migration patterns in humans [1]; understand inherited/communicable**

**diseases [1]; finding treatments for diseases [1]**

**[2 marks]**

