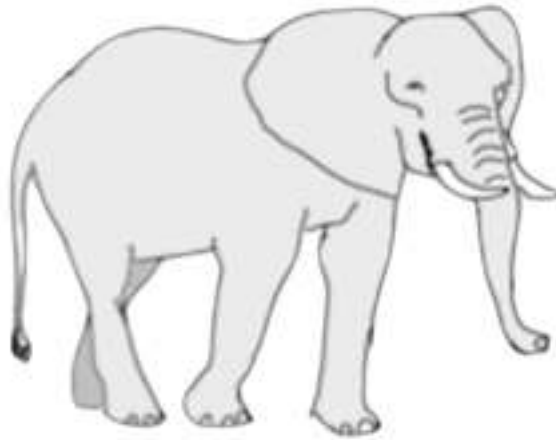


0	1
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The diagram shows an African elephant.



Here is some information about the African elephant.

- * It uses its trunk to reach for vegetation and suck up water for drinking and bathing.
- * It has large ears, which give off heat and help keep it cool.
- * It has tusks for foraging, digging, stripping bark off trees.

0	1
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 .

1

Use Lamarck's theory for how the African elephant evolved its trunk.

[3 marks]

0	1
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 .

2

Darwin suggested a different theory for the evolution of characteristics.

Give an outline of Darwin's theory of the evolution of characteristics.

Use the example of the development of elephant's ears.

[4 marks]

0	1	.	3
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There is a large amount of evidence that supports the theory of evolution.

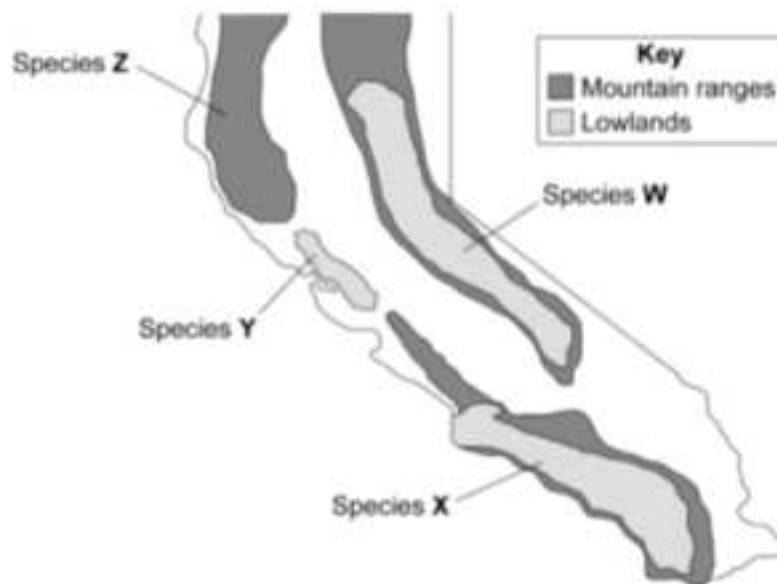
However, scientists are uncertain about how life started on Earth.

Explain why.

[2 marks]

0	1	.	4
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Salamanders are amphibians (live in water and on land). The diagram show the distribution of four different species of salamander in a country.



Originally, there was only one species of salamander in the country.

Suggest an explanation for the development of the four different species

[5 marks]
