Questions

1. According to the text, what does *adaptation* **mean?**

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2. Give two examples of adaptations a polar bear has made in order to survive in the wild.

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3. What do you think would happen if a polar bear was missing one of these adaptations?

_____

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4. Look at the section headed: *Examples of adaptation*
Complete the table below with one piece of evidence from the article to support each statement.

	Evidence
Cacti are full of water	
Polar bears can camouflage from predators	

5. "With this theory, Darwin shocked religious Victorian Society by suggesting that animals and humans shared a common ancestry"
Why was society shocked? Tick the closest possible answer.

They were shocked that he thought humans were related to animals ☐

They thought they were superior to animals, not related ☐

They were religious and followed the teachings of the church, which are not influenced by science ☐

6. Look at the section headed: Natural selection: A Case Study
What does 'favoured' mean in the following example from the text – "resting on their favoured lichen–covered tree trunks"?

_____

_____

7. Which section of the text is written to inform readers what natural selection is? Write the name of the section:

_____

8. Look at the section headed: Natural selection: A Case Study
Find and copy one word that tells the reader peppered moths were more likely to be harmed/killed by predators.

_____

9. Why did the dark coloured moths survive better than the peppered moths?

_____

_____

10. Look at the section headed: *What is evolution?*

How do we know that not everyone in society believes that humans have evolved from apes? Find and copy the phrase that tells us.

_____

11. Look at the section header: *What is inheritance?*

Summarise how genetics are significant in family history.

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12. Look at the whole text. Using information from the text, tick one box in each row to show whether each statement is true or false.

	True	False
Charles Darwin was a natural scientist	☐	☐
Species are eliminated from the ecosystem by adapting to their environment	☐	☐
Only humans create similar offspring	☐	☐