

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

Adaptation is when a plant or an animal has changed in some way (over a long period of time) in order to better suit and survive in its environment.

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

Choose any two from the following:

- **White fur (helps them to blend in with the ice and snow)**
- **Thick layer of fat under its skin (helps them to stay warm in cold temperatures)**
- **Small, round ears (helps them to maintain body heat and helps to avoid water going into their ears)**
- **Thick, rough paws (helps them get good traction on the slippery ice)**

3. 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	Large, thick stems (allows lots of water to be stored)
Polar bears can camouflage from predators	White fur (helps them to blend in with the ice and snow)

4. 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"? Tick the closest meaning.

- flavoured
- the one they spent most time on
- most preferred

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

What does natural selection mean?

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

The dark coloured moths were better suited to their environment as they could camouflage more easily on the soot covered trees.

7. 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.

It says 'some scientists believe'

Also accept:

'Evolution is a theory'

8. 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	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Species are eliminated from the ecosystem by adapting to their environment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Only humans create similar offspring	<input type="checkbox"/>	<input checked="" type="checkbox"/>

