

LESSON TWO

How do species adapt?

Quiz



The Theory of Evolution was formulated by _____ . He believed that not all species were exactly the _____. The individuals who best _____ to their environment were most likely to _____. Those that did not _____ were less likely to _____.

Charles Darwin
adapt

survive
survive

adapted

Fill in the blanks based on what you learnt in the previous lesson.

Quiz



The Theory of Evolution was formulated by Charles Darwin. He believed that not all species were exactly the same. The individuals who best adapted to their environment were most likely to survive. Those that did not adapt were less likely to survive.

Fill in the blanks based on what you learnt in the previous lesson.

LESSON TWO

By the end of this lesson you will be able to...

- understand the ways that species can adapt over time
- give examples of species that have adapted
- explain how species have adapted to their environment

Have a look at the images below.

What do you notice?

What happens to the number of grey mice?

What happens to the number of white mice?

Why do you think that is?





What happens to the number of white mice and black mice over time and why?:



Picture	Number of white mice	Number of black mice	Why do you think it has changed?
1			This is the number of mice at the beginning.
2			The numbers has changed because _____ _____ _____
3			The numbers has changed because _____ _____ _____

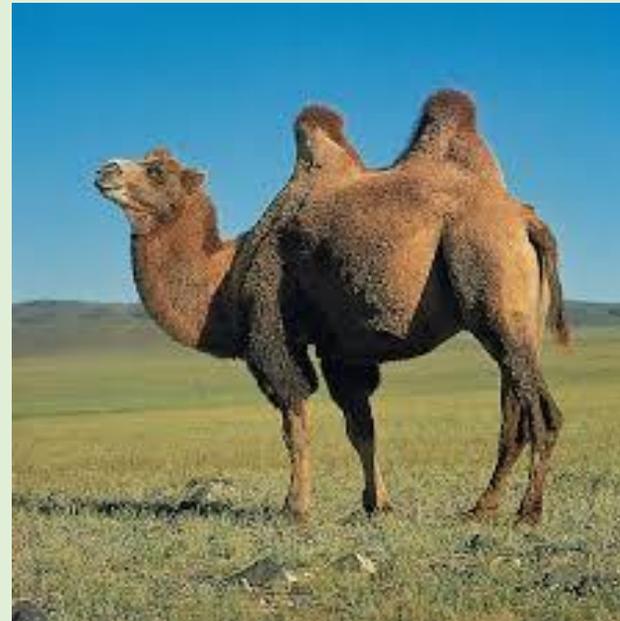
The images of the mice helps to demonstrate Darwin's Theory of Evolution.

The mice that survived were the **black mice**. Why? Because they **adapted** to their **environment** and blended in making them less easy to hunt. The more that **survive** the more chances they have to **reproduce** leading to more black mice and less white mice.

The **white mice**, on the other hand, did not survive as they were easy to spot and **did not adapt to their environment**.

We have learnt that finches adapted to their environment and that black mice adapted to theirs.

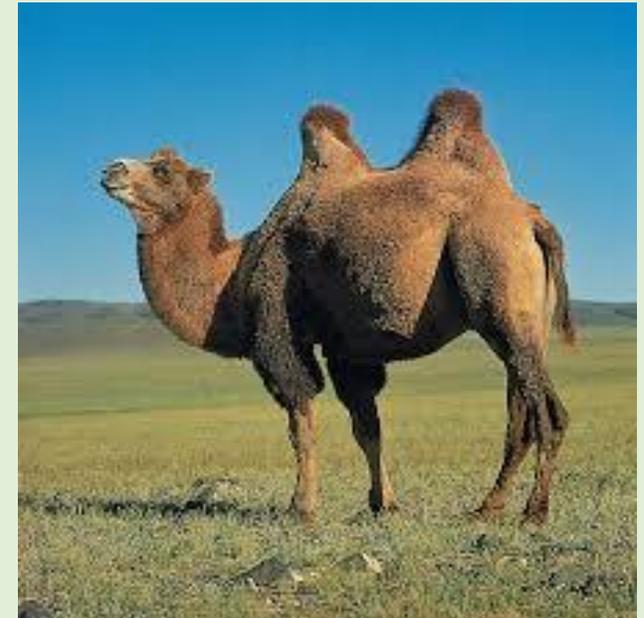
Think about other animals and their characteristics. How might they have adapted to their environment?





The snake has adapted to its environment as it is camouflaged. It blends in and does not stand out to predators in its environment.

The camel has adapted to its environment in many ways. They have large, flat feet to spread their weight on the sand. They have thick fur on top of their bodies for shade and thin fur elsewhere to allow easy heat loss.





Many people believe that giraffes have long necks because they evolved long necks over many generations. Explain how giraffes may have evolved long necks.

Answer this question as fully as possible.



Key vocabulary:

species
characteristic
adapted
survive
environment

Think about:

Why might giraffes have had to adapt?
Why would the characteristic of a long neck be beneficial?
Consider the mice. If there were two groups of giraffes, what characteristics would they have?
What would happen that would force one group of giraffes to fail to survive?

Don't forget to email a copy of
your learning today!