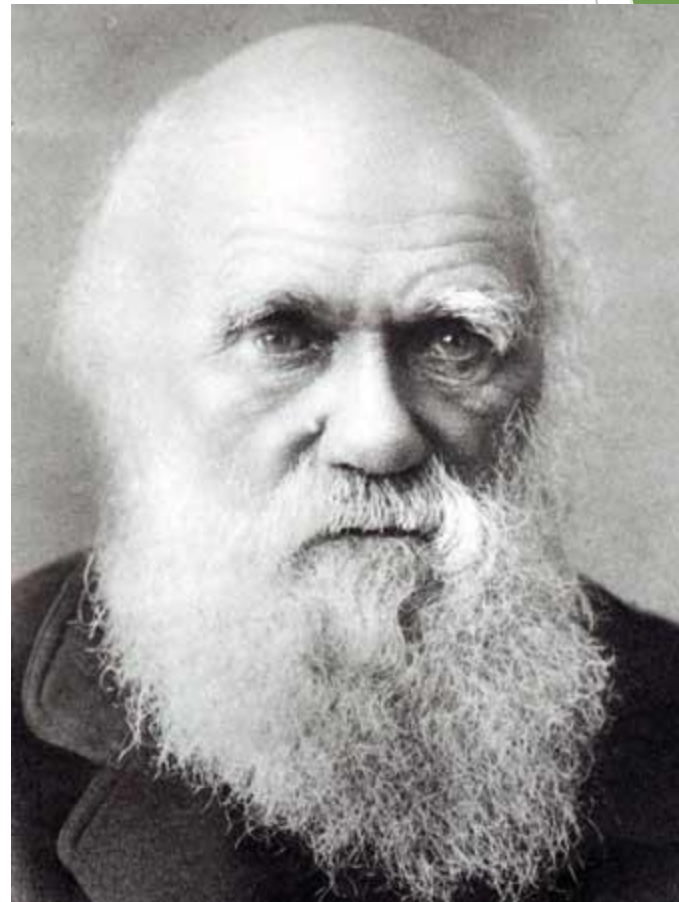


Evolution

In 1859 Charles Darwin published his book that told people about his theory of Evolution.



Evolution

His research showed that all life on Earth:

People

Ants

Whales

Camels

Monkeys

Birds

All came from the same animals.



Evolution


This caused disagreements with the Church

They believed that God created all life on Earth.

Evolution

Does every animal have the same

great, great, great, great, great, great, great, great, great, great, great, great,
great, great, great, great, great, great,

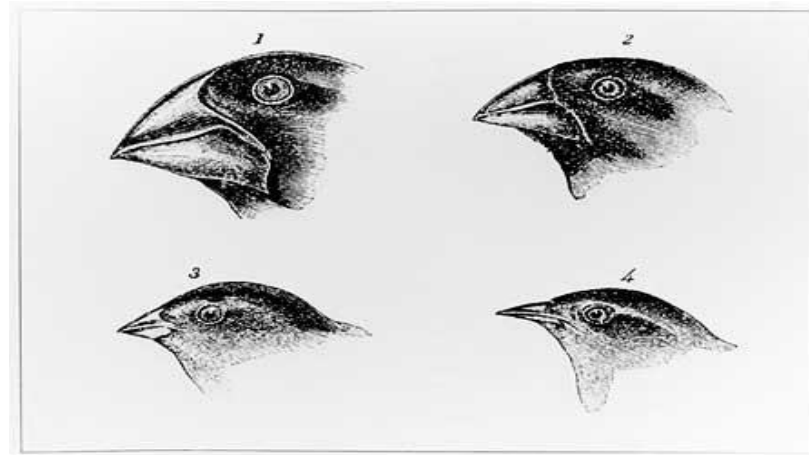


great, great, great, great, great, great, great, great, great, great,
great, great, great, great, great, great, great, great, great, great,
great, great, great, great, great, great, great, great, great, great,
great, great, great, great, great, great, great, great, great, great,
great, great, great, great, great, great, great, great, great, great,
great, great, great, great, great, great, great, great, great, great,
great, great, great, great, great, great, great, great, great, great,
great, great, great, great, great, great, great, great, great, great,
great, great, great, great, great, great, great, great, great, great,
great, great, great, great, great, great, great, great, great, great, great, great, great, great, great,
great, great, great, great, great, great, **Grand parents?**

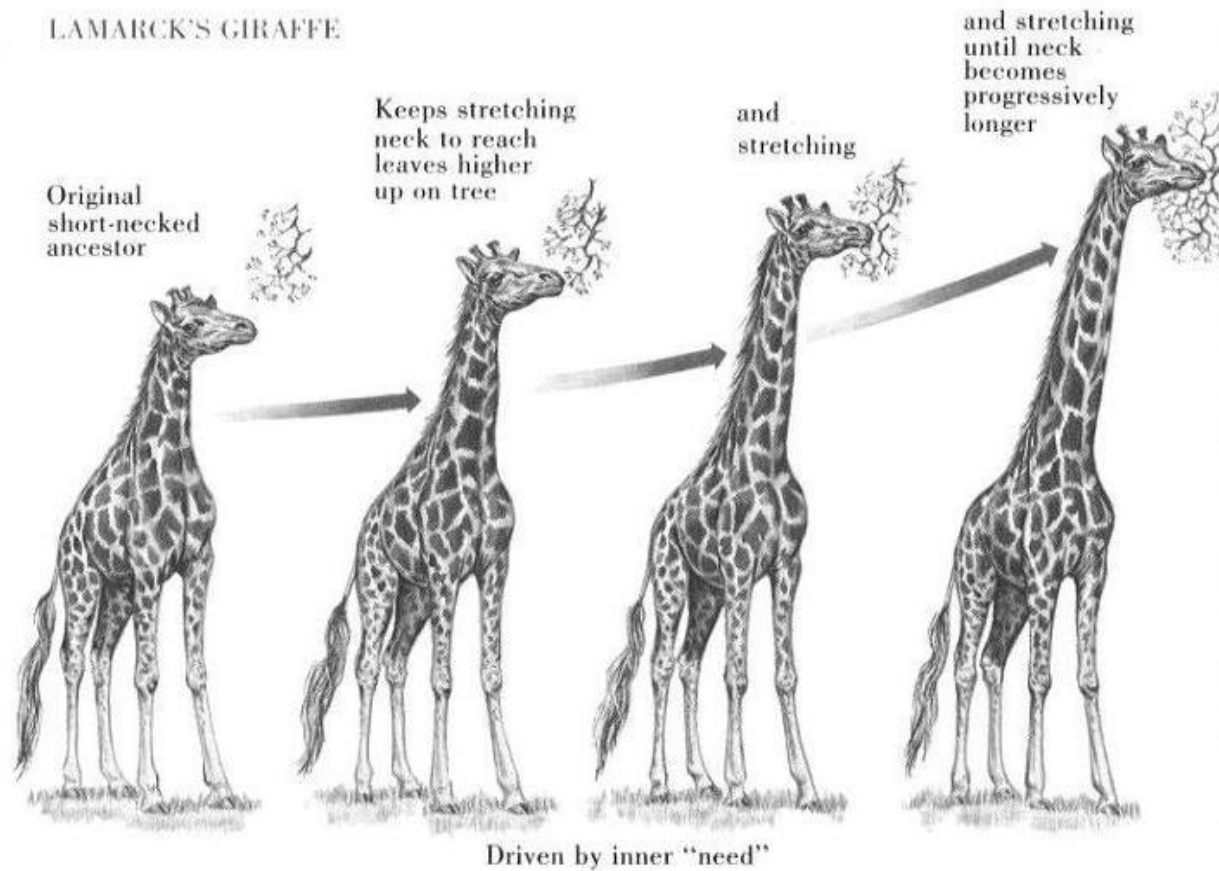
Natural Selection

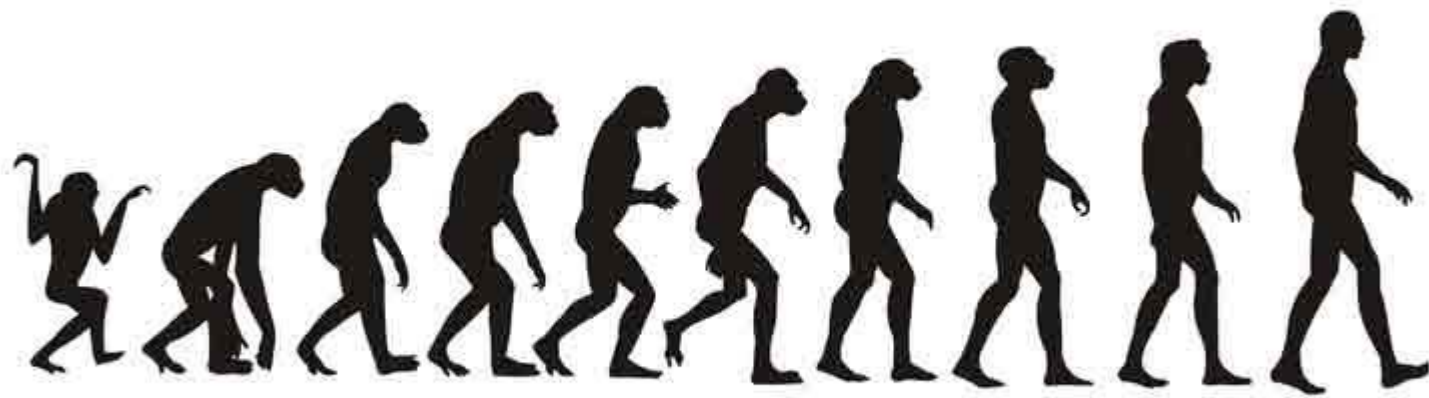
Darwin's finches

Darwin studied the wildlife on the Galápagos Islands - a group of islands on the equator almost 1,000 kilometres west of Ecuador. He noticed that the finches - songbirds - on the different islands there were fundamentally similar to each other, but showed wide variations in their size, beaks and claws from island to island. For example, their beaks were different depending on the local food source. Darwin concluded that, because the islands are so distant from the mainland, the finches that had arrived there in the past had changed over time.



LAMARCK'S GIRAFFE





Some had shells or weapons to
stop being eaten.
They grew stronger!



After millions and millions of years there were lots of different animals living in lots of different places in the world.



Some lived in the sea because they had features that made that a good environment to live in.



Some lived in the snow because they had features that made it easier to live there.



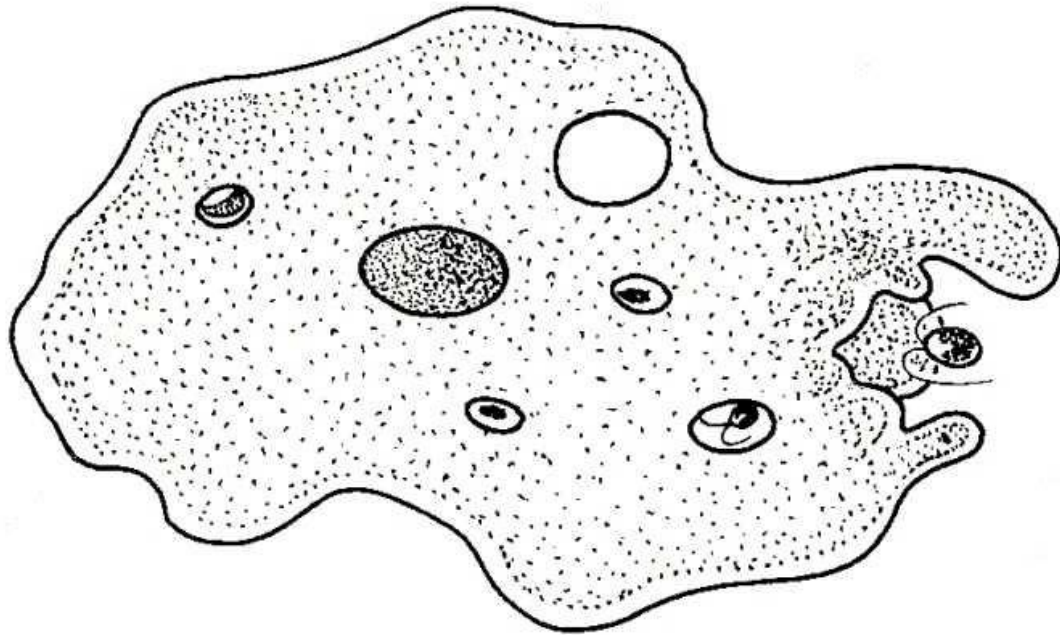
Some lived in the air because they had features that made it a good environment to live in.



Some lived in the desert because they had features that made that a good environment to live in.



They all came from the first type of life on Earth even though they looked so different!



Today

Today there are thousands of different animals in the world and they look so different BUT scientists still believe we came from the first type of life on Earth.

People

Scientists think we **evolved** from the same animals as monkeys did.

They think that millions of years ago there were two animals.

They think that millions of years ago there were two animals.



One went to live in the trees (his environment) where he lived on the fruits that grew there. He had to be good at climbing and had a tail to help him.

The other lived on the ground (a different environment). He needed to walk on his legs and didn't need a tail. He also couldn't see danger from up in the trees so he needed to talk to his family to warn them.

That animal became us!



Recap - how does evolution work?

Each time a new one is born it was a little bit different to its parents, just like you are!

It might be faster



It might be cleverer



It might be better protected



It might be sneakier!



Evolution

These changes make the animal more likely to survive. The 'better' animals would have more babies and the ones that weren't as fast, clever or sneaky would die out.