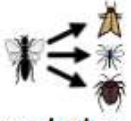






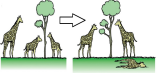
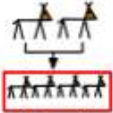



**What are adaptation, inheritance and evolution?**  
Tell someone what you think and why.

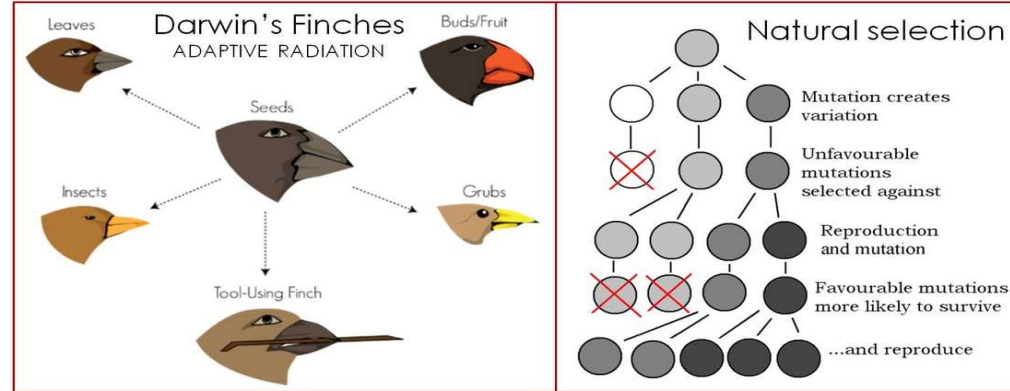


**Agape**  
**Courage**  
**Thankfulness**

Vocabulary (Words I need to know)

 variation	Things come in slightly different versions.	 DNA	The chemical that gives information for how a living thing will look and function.
 mutation	Things can randomly change slightly over time.	 inherited	A characteristic something gets from its genetic parents.
 adaptation	Things adjust to suit their environment.	 acquired	A characteristic something has learned or picked up from its environment.
 evolution	The process of change to animal and plant species over a long time.	 natural selection	The idea that things that are better adapted to their environment are more likely to survive and have offspring.
 offspring	The genetic children of a parent animal or plant.	 fossil	Remains or traces of animals or plants from long ago.

A diagram to help me understand.



Facts I need to learn now

1	Adaptation	Animals and plants are adapted to their environment. They have characteristics that help them to survive in different circumstances.
2	Characteristics	Living things have a mixture of inherited characteristics, which come from their genetic parents, and acquired characteristics, which come from their environment or are learned.
3	Charles Darwin	Charles Darwin was a scientist who came up with the theory of natural selection.
4	Natural Selection	The theory that: there are variations amongst any species and the individuals best adapted to their environment are most likely to survive and pass on their characteristics. These characteristics will gradually become more common among the whole population of the species.
5	Evidence for Evolution	Fossils show what species lived on the Earth millions of years ago, and provide evidence for evolution.
6	Mary Anning	Mary Anning was a famous fossil collector and palaeontologist, who made many important discoveries.

What I have learnt already

1	Adaptation Y2	Living things are suited to their habitats.
2	Fossils Y3	Fossils are formed when an animal or plant becomes trapped in mud or silt when it dies.

What I will learn next

KS3 Biology      Inheritance, chromosomes, DNA and genes