

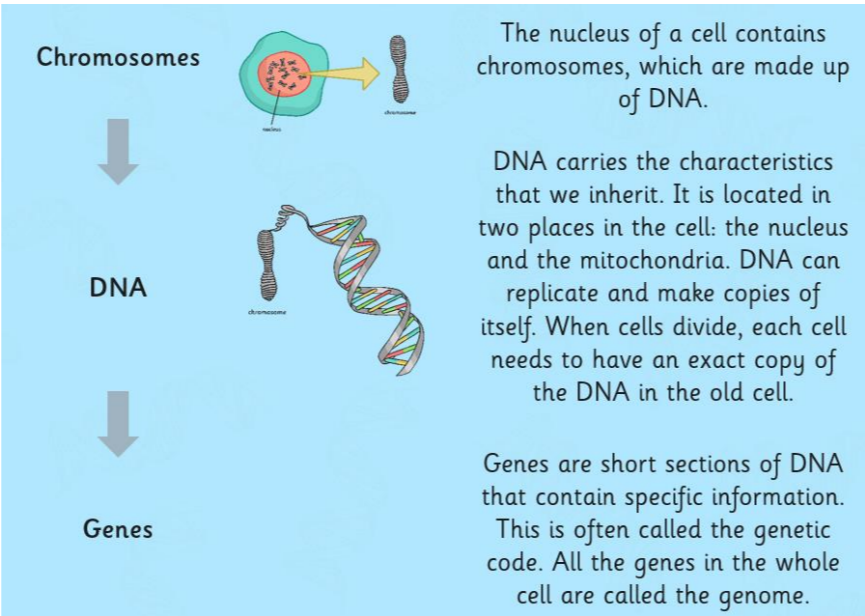


Working Scientifically					
To make close <b>observations</b> of fossils.	To make <b>predictions</b> about what traits our offspring will inherit and explain why.	To <b>research</b> stages of human evolution.	<b>Classification</b> – sort images of objects and sort them into which did exist when the scientists were alive and which did not (EXT – sort into chronological order)	To <b>research</b> biography of scientist.	<b>Identifying</b> – children to compare photos of themselves and their parents to see which characteristics are inherited

- What I should already know**
- Describe how fossils are formed when things that have lived are trapped within rocks.
  - I can compare fossils to the animals they belong to.

Key Vocabulary	
<b>Adaptation</b>	The process of change so that an organism or species can become better suited to their environment.
<b>Environment</b>	The surroundings or conditions in which a person, animal or plant lives.
<b>Evolution</b>	The process by which different kinds of living organism are believed to have developed from earlier forms during the history of the Earth.
<b>Inherit</b>	To gain a quality characteristic or predisposition genetically from a parent or ancestor.
<b>Offspring</b>	A person's child or children/an animals' young.
<b>Reproduction</b>	The production of offspring by a sexual or asexual process.

<p style="text-align: center; color: white;"><b>Inheritance</b></p> <p style="color: white; font-size: small;">These are characteristics that offspring inherit from their parents.</p> 	<p style="text-align: center; color: white;"><b>Adaptation</b></p> <p style="color: white; font-size: small;">These are characteristics that are influenced by the environment the living thing lives in.</p> 
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**Investigate**

Find some old pictures of your parents and grandparents and look closely to see if you can see any similarities between you all!

**Useful links**

National History Museum website - <https://www.nhm.ac.uk/>  
 BBC Science - <https://www.bbc.co.uk/programmes/genres/factual/scienceandnature/scienceandtechnology>  
 BBC Bitesize - <https://www.bbc.co.uk/bitesize/primary>

- What I will know by the end of the unit**
- I can identify inherited characteristics that are passed on from parent to offspring.
  - I can explain how inherited characteristics can lead to mutations
  - I can identify adaptive traits
  - I can demonstrate understanding of how ideas about evolution developed over time.
  - I can examine fossil evidence
  - I can explain how a living thing has evolved over time
  - I can identify adaptive traits in humans as a species
  - I can describe the known stages of human evolution.
  - I can compare modern humans with members of the same family.
  - I can understand that some living things have acquired more adaptive traits than others.
  - I can identify advantages and disadvantages of specific interventions.
  - I can explain how humans have created new varieties of living things through selective breeding.
  - I can demonstrate understanding of the issues raised by human intervention in the evolutionary process.

People we need to know	
<b>Charles Darwin</b>	<ul style="list-style-type: none"> <li>Born in 1809-1882</li> <li>Theory of evolution</li> <li>Different types of finches lead his research.</li> </ul>
<b>Alfred Wallis</b>	<ul style="list-style-type: none"> <li>How environmental changes can lead to natural selection.</li> </ul>
<b>Epicurus</b>	<ul style="list-style-type: none"> <li>C.341-270BC</li> <li>Greek philosopher</li> <li>Goddess created different species from abiogenesis events</li> </ul>



Evolution Doesn't Proceed in a Straight ...  
snopes.com