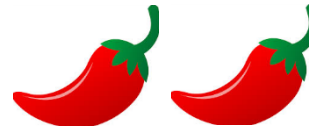


### Research and Diagrams

- What is *evolution*? What is *adaptation*? What is *inheritance*?
- Name some animals and plants that have adapted to suit their environment.
- Draw or print off an animal and/or plant and label the characteristics that have allowed them to adapt to their environment.
- Example: What characteristics does a cactus have to help survive in the desert? Why are these characteristics important?

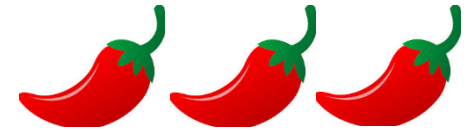


### Extended Writing

- What is *evolution*? What is *adaptation*? What is *inheritance*?
- Design, invent and draw a diagram of a plant or an animal that can live in an environment of your choice. Write a report of how your new creation will survive
- **Challenge:** Create a 3D model of your animal/plant in its habitat

### Research: Camouflage and the Industrial Revolution

- Research how the industrial revolution affected two varieties of peppered moths. Then, design a moth that would be camouflaged in a specified environment.
- [http://www.mothscount.org/text/63/peppered\\_moth\\_and\\_natural\\_selection.html](http://www.mothscount.org/text/63/peppered_moth_and_natural_selection.html)



### Research

- Who was Charles Darwin? Why is he a significant figure in regards to 'Evolution?' What significant research has he done in the Galapagos Islands? How do bird beaks impact the way they eat?
- Evolution: Give examples of how an animal or plant has evolved over time e.g. penguin, peppered moth

### Report: Family Inheritance

- What is inheritance?  
<https://www.bbc.co.uk/bitesize/topics/zvhhvcw/articles/zp9f4qt>
- What have you inherited from your parents? Example: eye colour, dimples, etc., but how are you different from your parents?

## Evolution and Inheritance

### Year 6 Science Takeaway Homework Menu



### National Curriculum Expectations

- recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents
- identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution
- recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago

### Scientific Vocabulary:

- offspring, sexual reproduction, vary, characteristics, suited, adapted, environment, inherited, species, fossils

### Takeaway homework guidelines

- It is up to you to choose what task to complete.
- Choose a task that is appropriate - but remember, the more you push yourself the more of a scientist you will become!