

Year 6 Science
Monday 15th June 2020
Lesson 2 - Evolution and inheritance

Activity 1: Revision: What does 'variation' mean? What causes variation?

Inheritance: These are characteristics that are passed on from a parent to their offspring. These can include physical characteristics such as eye colour, hair colour and height, but can also include abilities such as taste and smell.

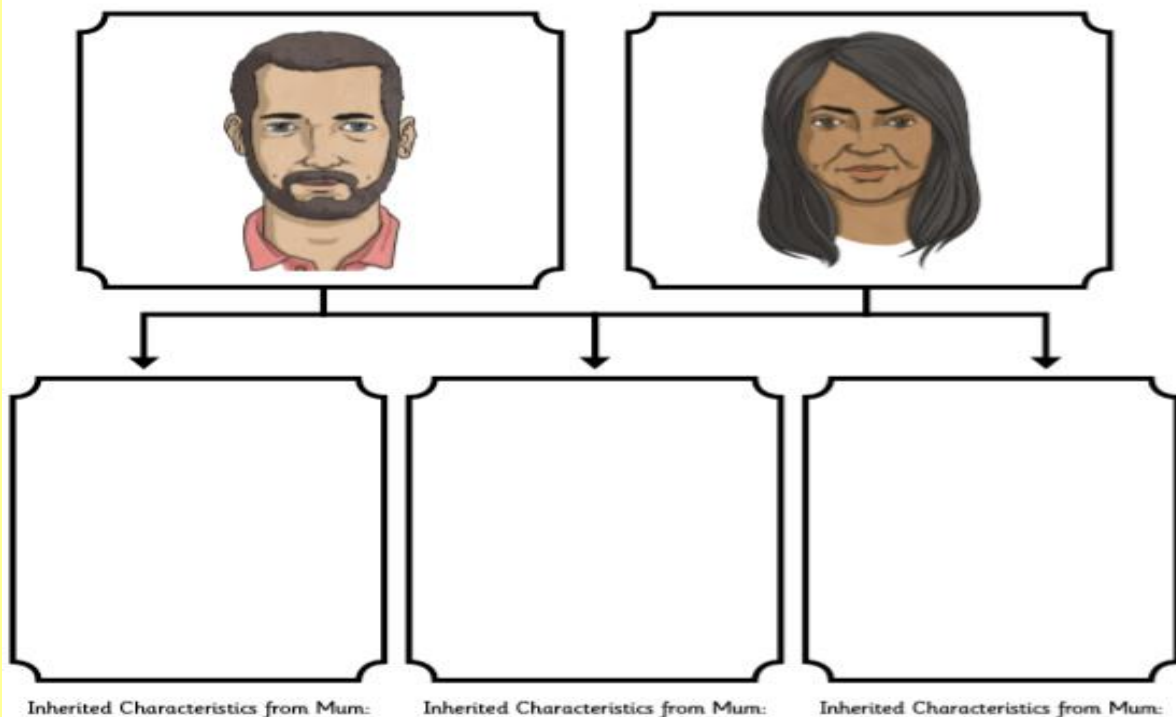


Adaptation: Over many generations, a species will adapt to its environment because the animals with the most successful characteristics are more likely to survive and pass on these characteristics to their offspring.

Activity 2: Watch the following video to help your understanding of inherited traits.
<https://youtube/SldwzOJ23J8>

While all siblings may share both parents and inherit the same characteristics, it does not mean that they are identical. There are many ways that the inherited characteristics can combine which explains why there is such variation.

Look at the parents below and then draw three different combinations of inherited characteristics. Remember to use characteristics from both parents!

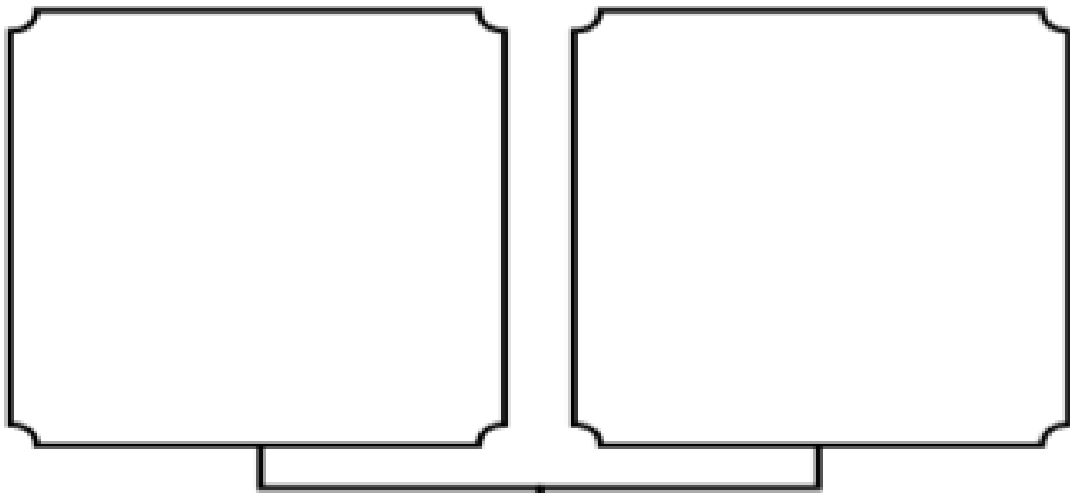


Remember that identical twins that share the exact same combination of DNA are not 100% the same! This is due to the fact that genes develop separately when the twins are embryos or during later development.

Activity 3: Think about you own family. Which inherited characteristics do you have?

Investigating Inheritance and Variation

Investigate the characteristics you have inherited from your parents by closely examining their photographs and your own. Write down what you think you have inherited from that parent.



Inherited:

Inherited:
