

Science - Test Your Skills

Year 6 Evolution



1. Fill the gaps: Choose from the words listed below.

keep pass on parents offspring

When living things reproduce, they..... certain characteristics to their These are known as inherited characteristics. We inherit them from our

1 mark

2. Name two characteristics that could be inherited from your parents.

1)

2)

1 mark

3. True or false?

Darwin wrote in 'On the Origin of Species' that...

True False

All living things are, in fact, not related. There has always been many different species of animal.

Evolutionary change happens because of variation between individuals in a species, which gives some individuals and their offspring a better chance of survival.

1 mark

4. Cross out the incorrect words in bold to complete the paragraph about genes.

Living things are made up of **cells / muscle**. In all of our **cells / muscles** there are 23 pairs of **chromosomes / DNA**, half from the mother and half from the father. The **chromosomes / blood** contain all of our DNA, that tells the cell what to do and when to divide. The offspring receives half of the chromosomes from each parent, which means it will be **identical / different** to the rest of its species and parents.

1 mark

5. True or false?

Humans evolved from Chimpanzees.

True False

1 mark

You must explain your answer:

6. Explain how the case study of the peppered moth is an example of evolution.

Remember to refer to the changes that happened to the peppered moth and how it links to Darwins theory of evolution.

2 marks

7. Put the statements in the order they happen during fossilisation.

- Over time, minerals, from the water, seep into the gaps where the bone used to be.
- As the sea level recedes and the rock is worn away by erosion and weathering, the fossil ends up at the surface.
- The animal is slowly buried by sediment and begins to decompose.
- Over time, more sediment builds up around the body and the minerals left behind are compressed into rock.

1 mark

8. What is the difference between a body fossil and a trace fossil?

2 marks

/10

Total