

Science Quick Quiz

Year 6 Evolution and inheritance

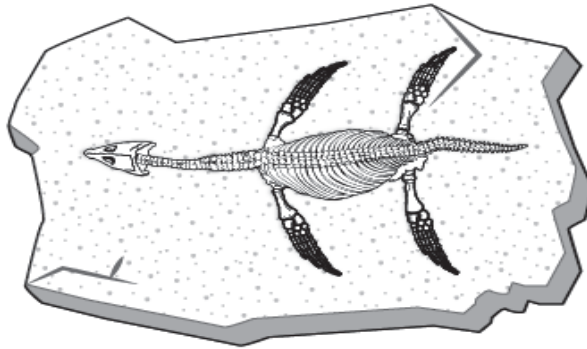
Name: _____

Date: _____

Q1. Sea creature

(a) The picture shows the fossil of a pliosaur.

These animals lived in the sea a long time ago.



What material are fossils made of?



.....

1 mark

(b) How did the fossil of the pliosaur form? Match each stage to order what happens.



Stage

What happens

1st
2nd
3rd
4th

Soft parts decayed away.
Hard parts were turned into fossils over many years.
Hard parts were buried by many layers of sand.
The pliosaur died and sank to the sea bed.

1 mark

(c) Very few animals become fossils after they die.

Explain why very few animals become fossils after they die.



1.

2.

1 mark

(d) Fossils can give a lot of information about animals that lived in the past.

Write **true** or **false** for each statement about the pliosaur fossil.

The pliosaur's fossil could give us information about...



True or false?

how long ago the animal lived.

what the animal ate.

what the animal smelt like.

what colour the animal's eyes were.

how large the animal was.

2 marks

Q2. (a) The photograph below shows a team of dogs called huskies pulling a sledge across the ice.



Huskies need to survive in a cold climate. They must be able to pull a heavy sledge for a long time each day.

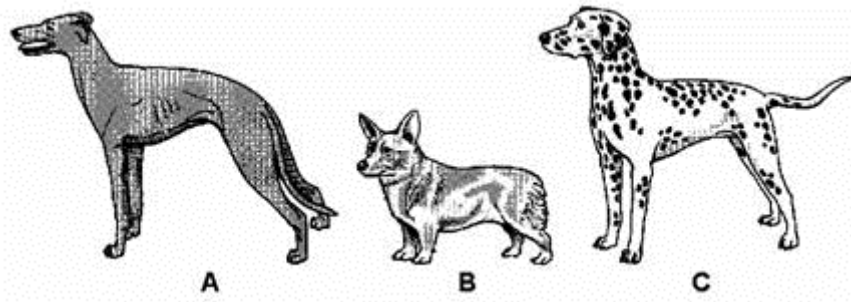
Which **two** features would a dog breeder look for when choosing huskies to breed from? Choose from the list of features below and give the reason for each choice.

- blue eyes fierce nature long tail
- thick fur short legs strong muscles

1. feature 1 mark
reason
..... 1 mark

2. feature 1 mark
reason
..... 1 mark

(b) The drawings below show three dogs. They all look different.



(i) Which word describes the differences between these dogs?
Tick the correct box.

adaptation

reproduction

vaccination

variation

1 mark

(ii) The drawing below shows a puppy. Dog C is the puppy's mother.



Why does the puppy look like his mother?

Tick the correct box.

Information passed from the mother in an egg.

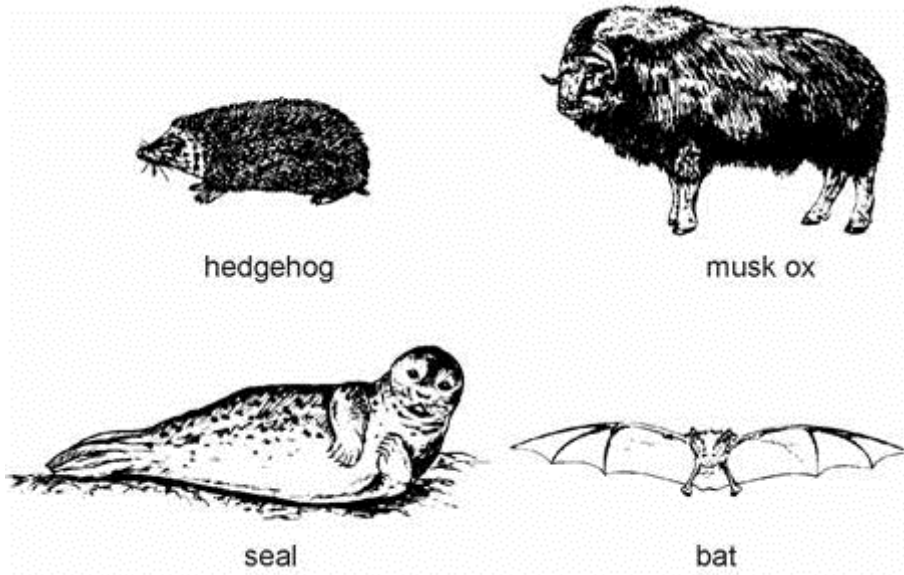
Information passed from the mother in a sperm.

Information passed from the mother in milk.

Information passed from the mother in blood.

1 mark

Q3. The drawings show **four** different mammals.



(a) Look at the mammals shown in the drawings.

(i) Write the name of **one** of these mammals which is adapted for swimming.

.....

1 mark

(ii) Write the name of **one** of these mammals which is adapted for living in very cold places.

.....

1 mark

(iii) Write the name of **one** of these mammals whose hair is adapted to protect it from predators.

.....

1 mark

(b) There are many different kinds of mammals.

Tick the boxes by **three** sentences which best describe mammals.

Female mammals produce milk to feed their young

Mammals sleep at night

Mammals eat meat

Mammals walk on two legs

Young mammals develop inside the mother's body

Mammals have hair on their bodies

3 marks



Assessment Summary	
Total Mark	/17
Below Expectations Below 8 marks	
Expectations Between 8-13 marks	
Above Expectations Above 14 marks	