

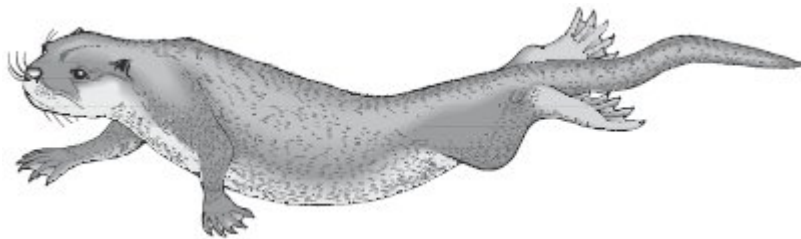
Science Quick Quiz

Year 6 Living things and their habitats

Name: _____

Date: _____

Q1. The picture below shows a mammal called an otter.



(a) Give **one** feature that **only** mammals have.

.....

1 mark

(b) Otters live by rivers.

Give **one** way the otter is suited for swimming.

Use the picture above to help you.

.....

1 mark

(c) Otter cubs are born in a burrow under the ground.



(i) How does this help the otter cubs survive?

.....
.....

1 mark

(ii) Why must the burrow be above the level of the water in the river?

.....
.....

1 mark

(d) Otters catch fish and birds for food.

Which word below describes an otter?

Tick the correct box.

herbivore	<input type="checkbox"/>	predator	<input type="checkbox"/>
prey	<input type="checkbox"/>	producer	<input type="checkbox"/>

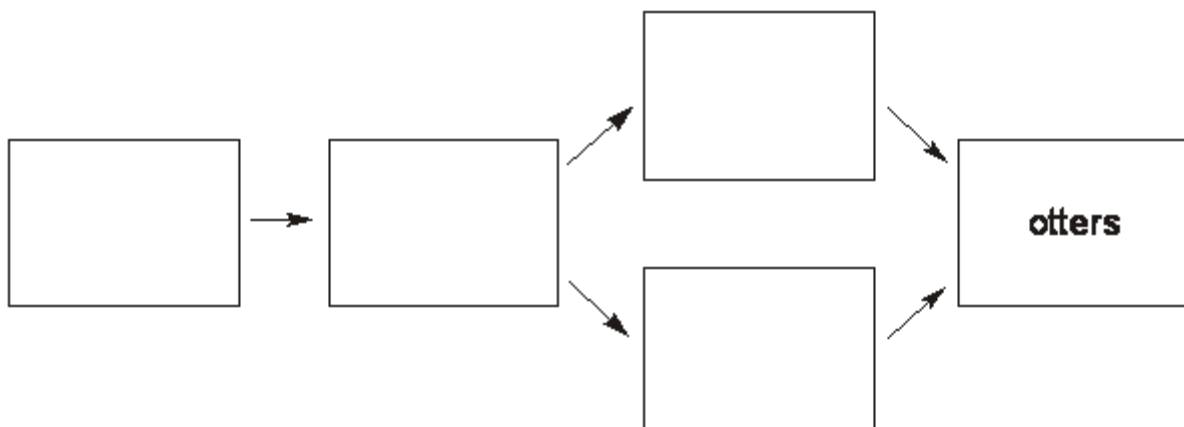
1 mark

(e) The information below describes what some animals eat.

- Insects eat plants.
- Birds and fish eat insects.
- Otters eat fish and birds.

Complete the food web using this information.

One box has been done for you.



2 marks

- (f) In the 1960s, the number of otters in England decreased.
To increase otter numbers, scientists released otters in pairs (one male and one female).

Why were the otters released in pairs?

.....
.....

1 mark
maximum 8 marks

- Q2. Sharon is riding her horse. She is wearing a riding hat.



- (a) Give the name of **one organ** the riding hat protects.

.....

1 mark

- (b) The horse is a mammal.
Give **one** fact about horses that shows they are mammals.

.....

1 mark

(c) When the horse is running, some of its organs do more work.

Draw a line from each organ to show what it does.

Draw only **two** lines.

organ

what the organ does

heart

It takes in oxygen faster.

It moves the bones faster.

lung

It digests food faster.

It pumps blood faster.

1 mark

(d) The drawing shows a horsefly.



(i) The horsefly is an insect.

Which of the following features do insects have?

Tick the **three** correct boxes.

They have a backbone.

They have a segmented body.

They have six legs.

They have hair.

They have scales.

They have two pairs of wings.

2 marks

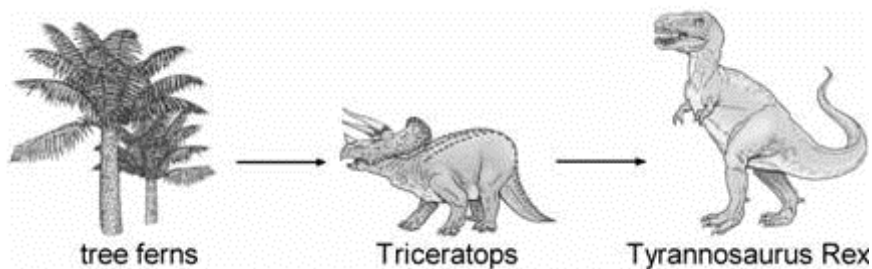
- (ii) Female horseflies bite horses and feed on their blood.
Male horseflies feed on plants.

Draw a line from each horsefly below to the word that describes the way it feeds. Draw only **two** lines.

horsefly	describing word
female horsefly	herbivore
male horsefly	carnivore
	producer
	prey

1 mark

- Q3.** The drawing shows a food chain including plants called tree ferns, and two dinosaurs. They lived on Earth millions of years ago.



- (a) The list below shows words which describe living things in a food chain.

herbivore predator prey producer

- (i) Which word in the list above describes the tree fern?

.....

1 mark

- (ii) From the list above, give **one** word that can describe Tyrannosaurus rex.

.....

1 mark

(iii) From the list above, give **one** word that can describe Triceratops.

.....

1 mark

(b) Some scientists think that a large rock from space hit the Earth about 65 million years ago. A thick layer of dust stayed in the air for a long time and blocked out the sunlight.

This would cause a decrease in the number of tree ferns.

Give **one** way the decrease in tree ferns would affect the Triceratops.

.....

.....

1 mark

(c) Tyrannosaurus rex had thick scales covering its body.

Which group did it belong to?

Tick the correct box.

amphibians

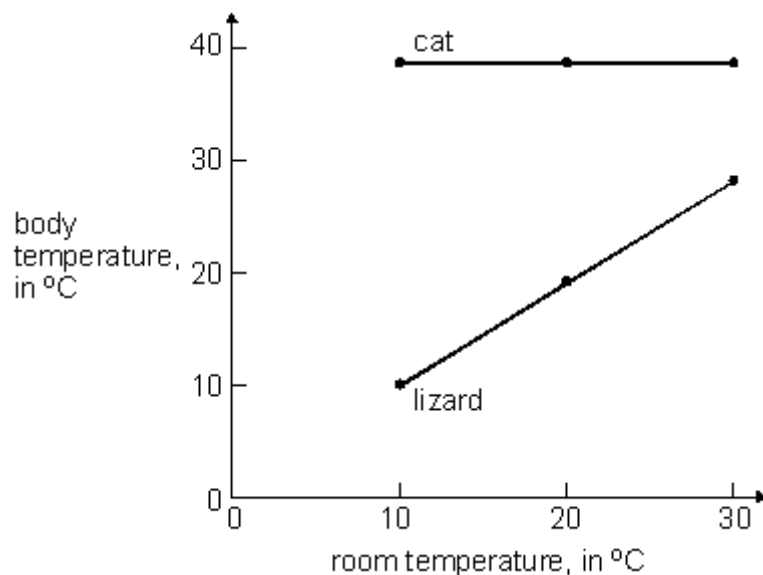
fish

reptiles

mammals

1 mark

Q4. A vet measured the body temperatures of a cat and a lizard at different room temperatures. She drew two graphs from her results.



(a) The temperature of the room rises. What happens to the body temperatures of the lizard and the cat?

(i) lizard

.....

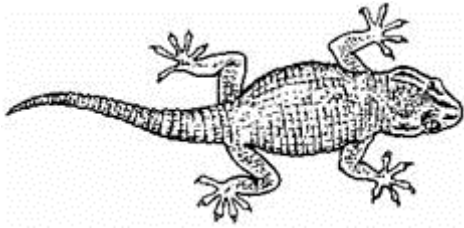
1 mark

(ii) cat

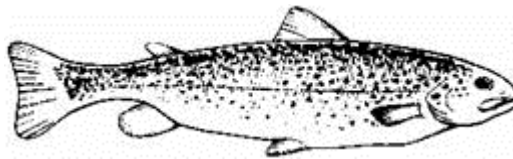
.....

1 mark

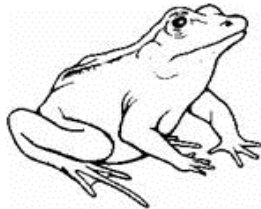
(b) Each of the drawings below shows an animal from a different group.



lizard
(reptile)



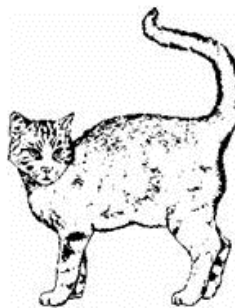
trout
(fish)



frog
(amphibian)



pigeon
(bird)



cat
(mammal)

(i) The cat's fur traps warm air next to its body. In the drawings above, which other animal can trap warm air next to its body?

.....

1 mark

(ii) The cat is a mammal. Its body is covered with fur.

Give one other fact about cats which shows they are mammals.

.....
.....

1 mark

(c) The five groups of vertebrates are:

fish amphibians reptiles birds mammals

(i) Which **two** groups have bodies covered with scales?

1.

2.

2 marks

(ii) Which **two** groups lay eggs in water?

1.

2.

2 marks



Assessment Summary	
Total Mark	/27
Below Expectations Below 10 marks	
Expectations Between 10-23 marks	
Above Expectations Above 23 marks	