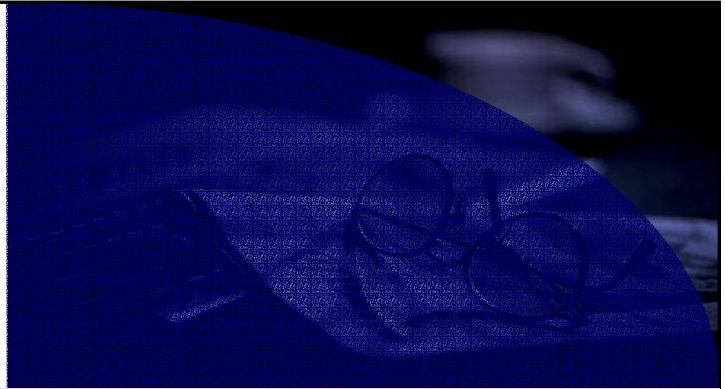


assessment for learning

year 7



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7C Environment and feeding relationships

Assessment for learning...year 7 (level 3-6)

Answer all questions:

| | |
|---------------------|-----------------|
| Total marks | 27 |
| Time allowed | 25 mins. |

Question 1:

Changes to the environment sometimes harm plants or animals.

Use **only** the words in the list below to fill the gaps in the sentences.

You may use some of the words more than once. You do not need to use all the words.

birds
farmland
fertiliser
fish
insects
sewage
wood

(i) Rivers may be polluted by.....
and.....

2 marks

River pollution harms and sometimes kills
 and

2 marks

(ii) Hedges may be dug up to make more

1 mark

Digging up hedges destroys the homes of some
 and

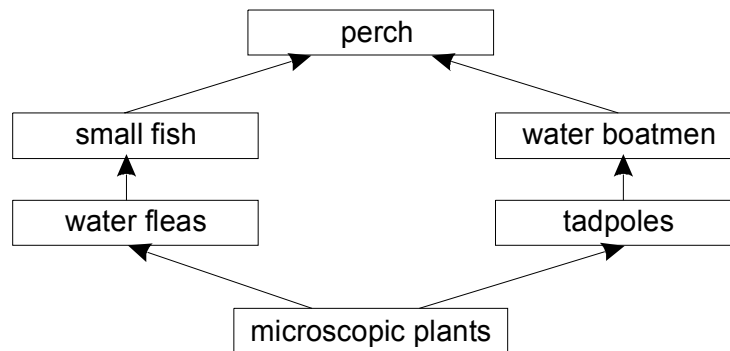
2 marks

Maximum 7 marks

Question 2:

A pupil studied the organisms in a pond.

From her observations she drew this simple food web.



(a) Use **only** the information in the food web to answer the following.

(i) Write down **one** food chain from this food web. There should be **four** organisms in the food chain.

..... → → →

1 mark

(ii) Write down the **producer** in the food web.

.....

1 mark

(b) Disease suddenly kills all the small fish. Complete the sentence to explain what is likely to happen to the number of water boatmen.

The number of water boatmen is likely to

because

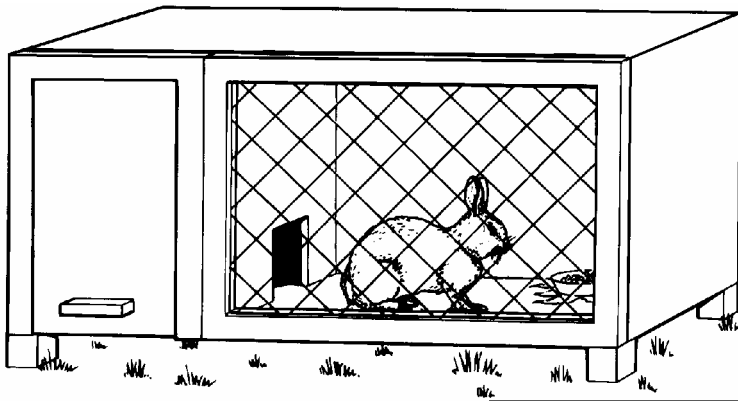
.....

2 marks

Maximum 4 marks

Question 3:

Andrew put his rabbit's cage on the grass.



A week later, the grass under the cage had turned yellow.

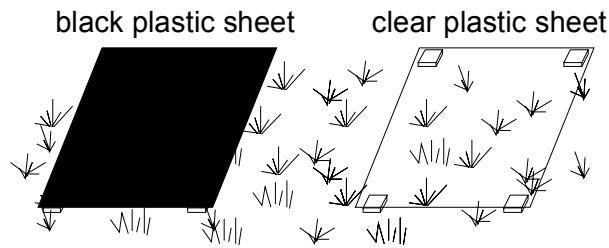
(a) Give **one** reason why the grass had turned yellow.

.....

.....

1 mark

(b) Andrew wanted to test why the grass had turned yellow. He put two sheets of plastic just above another patch of grass. One sheet was black and the other sheet was clear.



A week later, the grass under the black sheet was yellow. The grass under the clear sheet was green.

(i) Explain why he used the clear plastic sheet as well as the black sheet.

.....
.....

1 mark

(ii) Andrew left the black sheet there for several more weeks. What happened to the grass under it?

.....
.....

1 mark

(c) Tick the boxes by **two** things which **both** rabbits **and** grass plants can do.

- they eat
- they grow
- they move from place to place
- they reproduce
- they breathe in and out

2 marks

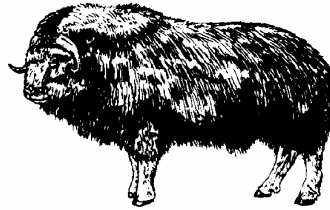
Maximum 5 marks

Question 4:

The drawings show **four** different mammals.



hedgehog



musk ox



seal



bat

(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

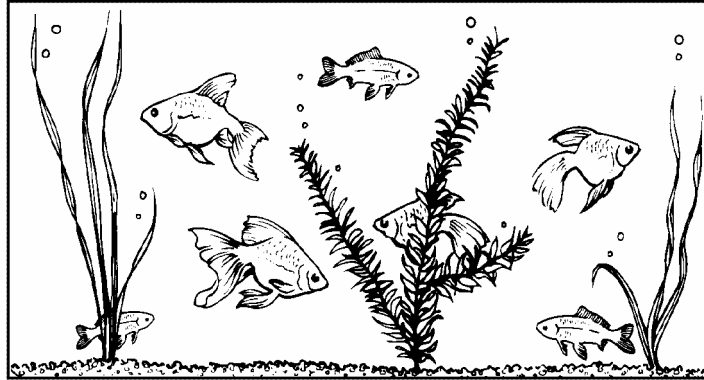
Mammals have hair on their bodies

3 marks

Maximum 6 marks

Question 5:

The drawing shows a fish tank. It has some waterweed and some fish in it.



During the day waterweed gives off bubbles of oxygen.

(a) Give **two** ways in which the waterweed helps the fish to stay alive.

1

2

2 marks

(b) Tick the boxes by **three** things which **both** fish and waterweed do.

- | | | | |
|------------------------------------|--------------------------|--------------------------------|--------------------------|
| They both use energy. | <input type="checkbox"/> | They both make their own food. | <input type="checkbox"/> |
| They both reproduce. | <input type="checkbox"/> | They both eat. | <input type="checkbox"/> |
| They both move from place to place | <input type="checkbox"/> | They both grow. | <input type="checkbox"/> |

3 marks

Maximum 5 marks