

Christmas Term Test

Science



Section 1: Multiple Choice

Select the best answer.

1. The process of shedding old skin and growing new ones is called:

- a) Metamorphosis
- b) Moulting
- c) Reproduction
- d) Pollination



2. Mosquito young feed on:

- a) Yolk
- b) Micro organisms
- c) Fishes
- d) Leaves

3. During which stage in the life cycle of a butterfly does it stop feeding?

- a) First stage
- b) Second stage
- c) Third stage
- d) Fourth stage

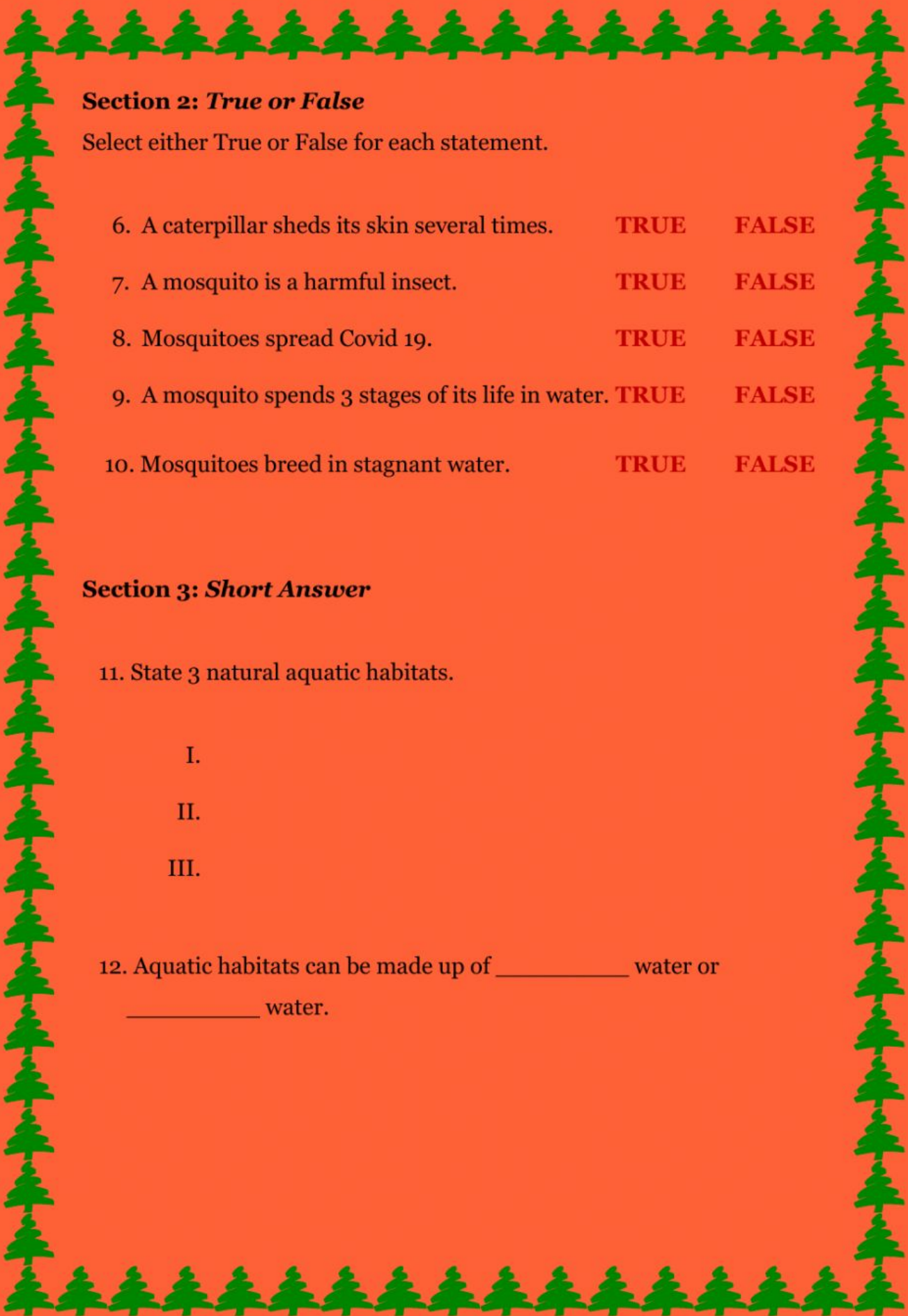
4. What is the function of the jelly that covers the frog's eggs?

- a) It helps the young froglets to breathe
- b) It protects the eggs
- c) It attracts fishes and other animals
- d) It provides food for the young frogs



5. Select the similarity among the life cycles of the housefly, butterfly, frog and mosquito.

- a) They all have the same life cycle
- b) They all have pupal stages that do not move
- c) They all look like their parents from the second stage
- d) They all go through complete metamorphosis



Section 2: *True or False*

Select either True or False for each statement.

- | | | |
|---|------|-------|
| 6. A caterpillar sheds its skin several times. | TRUE | FALSE |
| 7. A mosquito is a harmful insect. | TRUE | FALSE |
| 8. Mosquitoes spread Covid 19. | TRUE | FALSE |
| 9. A mosquito spends 3 stages of its life in water. | TRUE | FALSE |
| 10. Mosquitoes breed in stagnant water. | TRUE | FALSE |

Section 3: *Short Answer*

11. State 3 natural aquatic habitats.

I.

II.

III.

12. Aquatic habitats can be made up of _____ water or
_____ water.

Section 4: *Interactive Activities*

13. Categorize the animals below into 2 groups based on the type of water in which they live. The first one has been done for you.



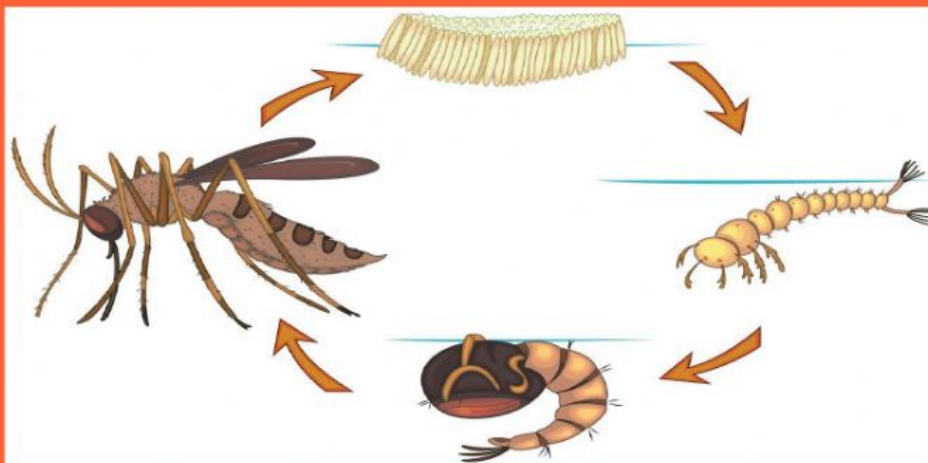
GROUP A		GROUP B	
			

14. Put the life cycle of the butterfly in the correct order by dragging the pictures to the numbered boxes.



A sequence of four empty square boxes, each with a number in a small red box above it. The numbers are 1, 2, 3, and 4. Red arrows point from box 1 to box 2, from box 2 to box 3, and from box 3 to box 4. Below each box is a small empty rectangular box for labeling. In the bottom left corner, there is a small logo for 'Teachers' and the text 'copyright: www.outprint.co.uk'.

15. Label the stages in the life cycle of the mosquito.



16. Choose the names of the stages below:



17. Put the stages of the life cycle of a frog in order by matching it to the correct number.

Tail disappears

1

Hind legs develop

2

Forelegs grow

3

Eggs in clusters

4

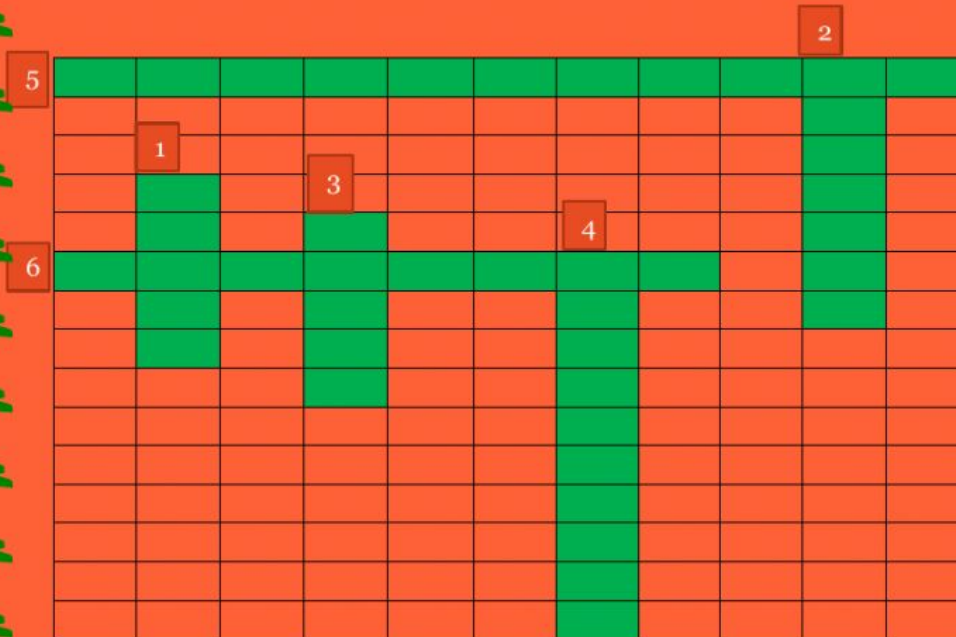
Tadpoles hatch and eat the yolk

5

Lungs develop

6

18. Use the clues to complete the word search.



DOWN

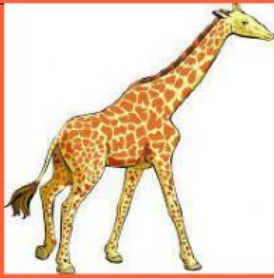
1. Animals that live in very dry areas live in this type of habitat.
2. Habitats with water.
3. Here you will find the arctic fox as well as penguins.
4. These animals live on land and in water.

ACROSS

5. This type of habitat refers to those on land.
6. Monkeys live in this type of habitat.

19. Identify the adaptations of the given animals. You can check more than one item for each if necessary.

Animal	Adaptations
	I. The ability to go for long periods without water. II. Long eyelashes for keeping out sand. III. Small feet to walk on sand.
	I. Thick layers of fat and fur for keeping warm. II. Webbed feet for swimming in the cold water III. A white appearance as camouflage from prey on the ice and snow.
	I. Bushy tail for playing with friends. II. Produces a fluid with a foul smell. III. Runs very fast.
	I. Copies dangerous snakes. II. Jaw opens very wide so that it can hold big prey. III. Lack of appendages (arms and legs) cause it to slither through grass and rocks without disturbing prey.



- I. Long neck for reaching young leaves at the top of trees.
- II. Sharp claws to tear meat easily.
- III. Can close their nostrils to keep sand and dust out.

20. Select the words from the box below to complete the sentences that follow.

camouflage mimicry adaptation
feathers shells
scales fur skin

- i. _____ is when an animal looks or sounds like another animal
- ii. _____ is when an animal's shape, colour or pattern helps it to blend in with its environment.
- iii. _____ is a body part, behaviour, covering or an action that helps an animal to survive in its environment.
- iv. The body coverings of animals can be _____,
_____, _____, _____ and
_____.

21. Select whether the images are showing examples of **camouflage** or **mimicry** in each picture.



22. Check the correct answers to show the purpose of the plant 's adaptations.

The Cactus Plant

Cactuses live in **hot dry** climates like the **desert**. Look at the picture of a cactus and guess how each part helps it **survive**. Check off the correct answers.

1. The sharp spines help it...

☐ catch food.

☐ scare off animals.

2. The bright flowers help it...

☐ attract pollinators.

☐ scare off pollinators.

3. The thick stem and waxy skin help it...

☐ attract insects.

☐ store water.

4. The shallow wide roots help it...

☐ collect water from the surface.

☐ change its temperature.