



Unit 3 • Organisms and their Structure: vertebrates and plants

Name _____ Class _____ Roll no. _____ Date _____ Marks _____ / 30

1 Key words

[4]

Fill in the blanks with words from the box. Two words in the box are not needed. Each blank carries 0.5 mark.

chlorophyll cryptogams homeothermic light phanerogams poikilothermic rhizoids
root three vertebral column

A vertebrate's body has a _____. Most reptiles have a _____-chambered heart. The bones of birds are _____ and hollow. Animals whose body temperature stays the same are called _____. Non-flowering plants are called _____, and flowering plants are called _____. Plants of the fungi group have no _____. The fine, hair-like threads that hold a moss to the ground are called _____.

2 Match the following

[3]

Match each feature in Column A with an animal in Column B. Write the letter in the box. One animal in Column B is not needed. Each match carries 0.5 mark.

Column A

1. light, hollow bones
2. three-chambered heart
3. gives birth and feeds its young with milk
4. breathes through gills
5. lives both on land and in water
6. toe pads with tiny hairs to walk on walls

Column B

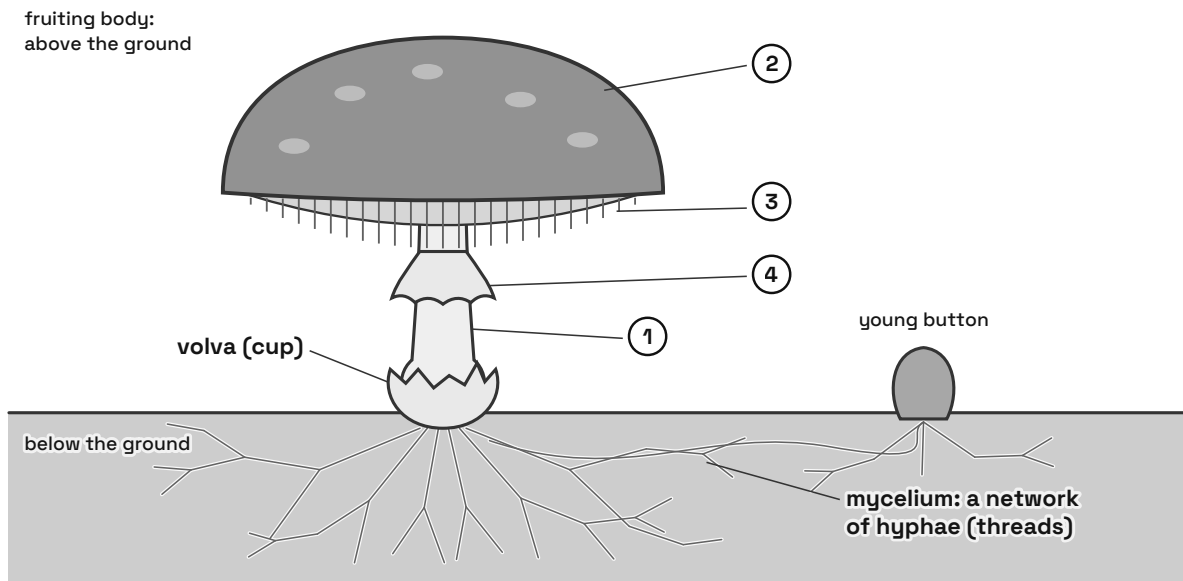
- | | |
|--------------------------|----------------|
| ☐ | a. fish |
| ☐ | b. wall lizard |
| ☐ | c. tortoise |
| ☐ | d. snail |
| ☐ | e. pigeon |
| ☐ | f. frog |
| | g. bat |



3 Label the diagram

[2]

The diagram shows a mushroom. Write the names of the parts numbered 1 to 4. Each carries 0.5 mark.



1. _____

2. _____

3. _____

4. _____

4 Multiple choice

[4]

Choose the correct option for each of the following questions.

i. Which one is a vertebrate?

[1]

- a. butterfly
- c. leech

- b. snail
- d. fish

ii. Which animal gives birth to young ones?

[1]

- a. pigeon
- c. parrot

- b. bat
- d. peacock

iii. Which organ do most aquatic animals use to breathe?

[1]

- a. skin
- c. gills

- b. trachea
- d. lungs

iv. How many chambers does a bird's heart have?

[1]

- a. two
- c. four

- b. three
- d. five

5 Very short answers

[3]

Write very short answers to the following questions.

a. Into how many classes are vertebrates divided?

[1]

b. Name one flowering and one non-flowering plant found around your home.

[1]



- c. Sort these into flowering and non-flowering plants: mushroom, mustard, fern, rice. [1]

6 Short answers [8]

Write short answers to the following questions.

- a. Write any two features of birds that help them fly. [2]

- b. Write any two differences between warm-blooded and cold-blooded animals. [2]

- c. Why is the garden lizard put in the class Reptilia? [2]

- d. Write any two differences between flowering and non-flowering plants. [2]

7 Long answer [4]

Write a long answer to the following question.

Write any two differences between a bird and a bat. Why is the bat put in the class Mammalia?



8 Think

[2]

Think, then answer.

Which is more developed, mustard or fern? Explain with reasons.

9 Activity: Which class?

(not marked)

Write the class of vertebrate each animal belongs to, and one feature that shows it.

Animal	Class	A feature that shows it
rohu fish		
frog		
snake		
crow		
cow		
whale		

