

## Forest Layers

### A. Choose the correct answer:

1. Which is the topmost layer of the forest?

- A) Canopy
- B) Understory
- C) Emergent layer
- D) Forest floor

2. Which forest layer receives the least amount of sunlight?

- A) Canopy
- B) Emergent layer
- C) Understory
- D) Forest floor

3. What type of animals are commonly found in the understory layer?

- A) Eagles and monkeys
- B) Jaguars and snakes
- C) Fishes and frogs
- D) Bears and deer

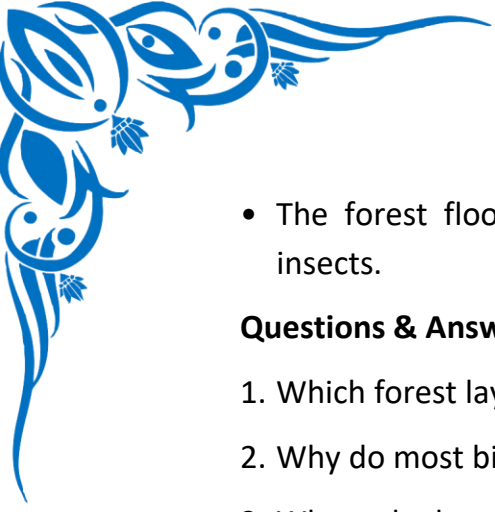
### B. Fill in the Blanks:

1. The \_\_\_\_\_ layer of the forest is home to the tallest trees that rise above all other layers.
2. The forest floor is covered with \_\_\_\_\_, which helps in decomposing dead plants and animals.
3. The \_\_\_\_\_ layer provides shelter to animals like insects, snakes, and amphibians.

### C. Case Study:

A group of researchers studied different forest layers in a tropical rainforest. They observed the following:

- The emergent layer had tall trees and birds like macaws.
- The canopy was dense with vines and was home to monkeys, sloths, and toucans.
- The understory had shrubs and small trees, where jaguars and snakes were found.



- The forest floor was damp and dark, with fungi, decomposing leaves, and insects.

**Questions & Answers:**

1. Which forest layer had the tallest trees?
2. Why do most birds prefer living in the canopy layer?
3. What role does the forest floor play in the ecosystem?
4. How does the understory layer help in maintaining biodiversity?

**D. Short Answer Questions:**

1. What are the four main layers of a forest?
2. How does the canopy layer help in regulating temperature and rainfall?
3. Why is the forest floor important for nutrient recycling?

**E. Long Answer Questions:**

1. Explain the characteristics of each forest layer and their significance.
2. How do different animals adapt to living in various forest layers?
3. Discuss the impact of deforestation on different layers of the forest ecosystem.