

# **DR. R. N. INTERNATIONAL SCHOOL**

UNDER THE AGIS OF S. S. SITARAMSINGH EDUCATIONAL AND  
CHARITABLE TRUST

MOHANPUR, SITAMARHI- 843302

## **3. Living Organisms and Their Surroundings**

1. Characteristics - विशेषताएँ
2. Organism - जीव
3. Nutrition - पोषण
4. Photosynthesis - प्रकाश संश्लेषण
5. Stomata - स्टोमेटा / रंध्र
6. Reproduction - प्रजनन
7. Cuttings - कलम लगाना
8. Runners - रनर / उपरिभूस्तारी
9. Primarily - मुख्य रूप से
10. Exhibit - प्रदर्शित करना
11. Stimuli - उद्दीपन / उत्तेजना
12. Respond - प्रतिक्रिया देना
13. Regulating - नियंत्रित करना
14. Eliminating - बाहर निकालना
15. Predators - शिकारी
16. Shelter - आश्रय / आवास
17. Habitat - प्राकृतिक वास
18. Adaptations - अनुकूलन
19. Anchor - जकड़ कर रखना
20. Fibrous root - झकड़ा जड़ / रेशेदार जड़
21. Camouflage - छलावरण
22. Herds - झुंड

23. Streamlined - धारारेखीय

24. Blubber - ब्लबर

25. Hibernation - शीतनिद्रा

**A. Tick the correct option**

1. What process do plants use to make their own food?  
☐ **Answer:** c) Photosynthesis
2. What do plants and animals need to survive?  
☐ **Answer:** d) All of these
3. Which adaptation helps aquatic plants like water lilies survive in their habitat?  
☐ **Answer:** a) Broad leaves covered with a waxy layer
4. Which shape of plant helps pine to shed off the snow?  
☐ **Answer:** a) Cone shape of plant
5. Which of the following animals lives in deserts?  
☐ **Answer:** b) Kangaroo rat

**B. Fill in the blanks**

1. Fish obtain oxygen from water through specialised organs called **gills**.
2. Animals reproduce by giving birth or laying **eggs**.
3. Trees in tropical rainforests have large leaves with **drip** tips to shed excess water.
4. Polar bears undergo hibernation during winter to save **energy**.
5. **Water** regulates the body temperature of living organisms.

**C. Write T for True statements and F for False statements**

1. Grasslands are filled with lots of tall trees.  
☐ **Answer:** F
2. The black and white striped coats on zebras help them blend into their environment.  
☐ **Answer:** T
3. Mountain habitats have high temperatures and high oxygen levels.  
☐ **Answer:** F
4. Polar bears have thick fur and blubber to keep warm in the cold polar regions.  
☐ **Answer:** T
5. Mountain goats use their strong hooves to walk on rocky terrain in search of food.

- **Answer: T**

#### **D. Answer the following questions**

##### **1. List the characteristics of living things that differentiate them from non-living things.**

- **Answer:** Living things need food, breathe air, grow, move on their own, produce babies (reproduce), and feel changes around them. Non-living things cannot do these things.

##### **2. How do different living organisms move?**

- **Answer:** Animals move by walking, hopping, crawling, flying, or swimming. Plants do not move from place to place, but their roots grow downwards and their stems grow upwards toward the light.

##### **3. What do living organisms need to survive?**

- **Answer:** All living things need four main things: **food** for energy, **air** to breathe, **water** to stay healthy, and a safe **shelter** to live in.

##### **4. How do plants and animals adapt to forest habitats?**

- **Answer:** Forest trees have deep roots to stand tall and broad leaves to catch sunlight. Forest animals like deer have strong legs to run fast from danger, and monkeys have long tails to balance on tree branches.

##### **5. Distinguish between polar and desert habitats.**

- **Answer:**
  - **Desert habitats** are very hot and dry with very little water. Plants like cacti store water in thick stems.
  - **Polar habitats** are extremely cold and covered in ice. Animals like polar bears have thick fur and body fat to stay warm.

##### **6. Explain the different plants and animals living in mountain and aquatic habitats.**

- **Answer:**
  - **In Mountains:** Pine trees are shaped like cones so snow can slide off easily. Animals like mountain goats have strong hooves to climb rocks.
  - **In Water (Aquatic):** Water lilies have wide, waxy leaves that float on water without rotting. Fish have fins and smooth bodies to swim easily.