

## Nova's Autumn Discovery Quiz

*Learning objective: To understand the seasonal changes in plants and animals during autumn, including deciduous trees and animal behaviours.*

Join Nova the barn owl as she observes the changes in the forest. Read each question carefully and circle the best answer.

Answer Key: 1. A, 2. B, 3. True, 4. Chlorophyll, 5. C, 6. False, 7. Migration, 8. True, 9. Deciduous, 10. B.

*Word bank: Deciduous · Chlorophyll · Hibernation · Migration · Photosynthesis · Dormant*

1. 1. Why do leaves change colour in autumn? A) They get cold. B) They stop making chlorophyll. \* C) They get too much sun. D) They grow new flowers. (1 mark)

2. 2. What is the green pigment in leaves called? A) Carotene. B) Chlorophyll. \* C) Oxygen. D) Glucose. (1 mark)

3. 3. True or False: Autumn is when some animals begin to prepare for winter hibernation. (1 mark)

4. 4. What is the name of the process where birds travel to warmer countries for the winter? (1 word answer) (1 mark)

5. 5. Which type of tree loses its leaves in autumn? A) Evergreen. B) Coniferous. C) Deciduous. \* D) Tropical. (1 mark)

6. 6. True or False: The days get longer during the autumn months in the UK. (1 mark)

7. 7. What is the scientific term for an animal entering a deep, long sleep to save energy during winter? (1 word answer) (1 mark)

8. 8. True or False: Trees become dormant in autumn to survive the colder temperatures and lack of sunlight. (1 mark)

9. 9. In autumn, plants produce seeds and fruits. Why is this important for the plant's life cycle? A) To make the forest look pretty. B) To help the plant move. C) To ensure new plants grow next year. \* D) To feed the trees. (1 mark)

10. 10. What happens to the temperature as we move from September into November? A) It rises. B) It falls. \* C) It stays the same. D) It disappears. (1 mark)

**Draw:** Draw a deciduous tree in the middle of autumn, showing leaves that are turning orange, red, and yellow, and some leaves already on the ground.



*Extension challenge: Research one animal that migrates and one that hibernates in the UK. Write a short paragraph explaining how they prepare for the change of season.*