

Nova's Autumnal Wonders Quiz

Learning objective: To identify seasonal changes in the environment and understand the life cycles of deciduous trees during autumn.

Join Nova the barn owl on an autumn adventure! Read the questions carefully and use your scientific knowledge about the changing seasons to answer them.

Answer Key: 1. B, 2. True, 3. Deciduous, 4. B, 5. True, 6. Hibernation, 7. C, 8. True, 9. Daylight, 10. False (They prepare to sleep/rest).

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

1. 1. Why do many trees change colour in autumn? A) They are painting leaves, B) They stop producing chlorophyll, C) The sun gets too hot, D) They are turning into flowers. (Choose one) (1 mark)

2. 2. True or False: Deciduous trees lose their leaves in autumn to save energy during the colder months. (1 mark)

3. 3. What is the name for trees that lose their leaves every year? (1 mark)

4. 4. Which of these happens to many birds as autumn arrives? A) They grow new feathers, B) Migration to warmer places, C) They start to build nests, D) They grow heavy winter coats. (1 mark)

5. 5. True or False: Autumn is one of the four seasons caused by the tilt of the Earth as it orbits the Sun. (1 mark)

6. 6. Some animals, like hedgehogs, enter a deep sleep to survive the winter. What is this called? (1 mark)

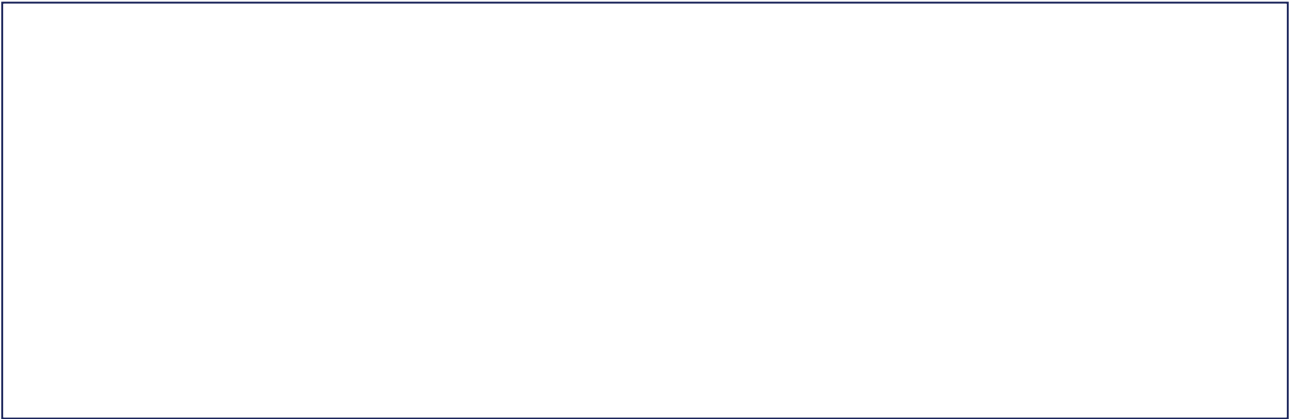
7. 7. What happens to the amount of daylight as we move from September to December? A) It stays the same, B) It increases, C) It decreases, D) The sun disappears completely. (1 mark)

8. 8. True or False: Coniferous trees, like pine trees, keep their needles throughout the autumn and winter. (1 mark)

9. 9. What is the main reason temperatures drop in autumn? A) Less direct sunlight, B) Too much rain, C) The moon is closer, D) The wind is faster. (1 mark)

10. 10. True or False: In autumn, all plants stop growing completely and die. (1 mark)

Draw: Draw a scene from Nova's forest showing one deciduous tree with red and gold leaves and one evergreen tree that stays green.



Extension challenge: Imagine you are a scientist studying autumn. Write a short journal entry (3-4 sentences) describing one change you have spotted in your local park or garden this week.