

Nova's Springtime Science Discovery Quiz

Learning objective: To identify seasonal changes, understand the life cycles of plants and animals, and observe the signs of spring in the UK.

Join Nova the barn owl on a nighttime flight to discover the wonders of spring. Read each question carefully and circle the best answer. Good luck!

Answer Key: 1.C, 2.True, 3.Germination, 4.B, 5.True, 6.A, 7.False, 8.B, 9.Pollination, 10.True. These questions test understanding of how daylight hours increase in spring, how plants begin to grow, and how animals adapt their behaviors.

Word bank: germination · pollination · deciduous · migration · photosynthesis · life cycle

1. Which of these is a primary reason why plants begin to grow in spring? A) The weather gets colder B) The leaves fall off C) There is more sunlight and warmth * D) The ground becomes frozen (1 mark)

2. True or False: Many UK birds return from their winter migration during the spring months. (1 mark)

3. What is the scientific term for the process where a seed starts to sprout and develop into a seedling? (1 mark)

4. Which animal is most likely to emerge from hibernation as the spring temperatures rise? A) A squirrel B) A hedgehog * C) A robin D) A blue whale (1 mark)

5. True or False: Deciduous trees start to grow new buds in spring. (1 mark)

6. What happens to the length of daylight in the UK during the spring? A) It gets longer * B) It gets shorter C) It stays the same D) It disappears (1 mark)

7. True or False: Spring is the only season where plants can make food using sunlight. (1 mark)

8. Which of these is a sign of spring in a woodland habitat? A) Snow covering the ground B) New leaves appearing on trees * C) Trees losing their leaves D) Very short days (1 mark)

9. Bees are busy in spring. What is the process called when they move pollen from flower to flower? (1 mark)

10. True or False: The temperature in the UK generally increases as we move from March to May. (1 mark)

Draw: Draw a scientific diagram of a plant growing in spring, including labels for the roots, stem, leaves, and a new flower bud. Add a bee flying nearby.



Extension challenge: Greater Depth Challenges: 1. Explain why some animals hibernate through winter but wake up in spring. 2. Compare and contrast how a bulb, like a daffodil, and a seed, like a sunflower, begin their growth in spring. 3. Justify why the increase in daylight is more important for plant growth than the increase in rainfall. 4. What might happen to the local food chain if spring arrived one month earlier than usual? 5. Create a short poem about the life cycle of a frog. 6. If you were a scientist studying spring, which three observations would you prioritise recording in your logbook and why?