

Nova's Fall Discovery Hunt

Learning objective: To identify and describe the seasonal changes that occur in plants and animals during fall in the UK.

Nova the Owl is getting ready for winter! Read each statement below about fall science. Decide if the statement is True or False. If you choose False, use your scientific knowledge to write the correct fact in the answer space provided.

Word bank: deciduous · evergreen · photosynthesis · hibernation · migration · chlorophyll

1. True or False: Deciduous trees keep all their green leaves throughout the entire winter season. (2 marks)

2. True or False: As the daylight hours get shorter in fall, trees produce less chlorophyll, which causes the leaves to change color. (2 marks)

3. True or False: Hibernation is a process where animals like hedgehogs sleep during the coldest months to save energy. (2 marks)

4. True or False: All birds in the UK stay in the same garden all year round and never travel to warmer countries. (2 marks)

5. True or False: Fall weather in the UK is always exactly the same temperature as summer because the sun is still high in the sky. (2 marks)

Draw: Draw a scientific diagram of a tree in fall. Label the leaves, the branches, and a pile of fallen leaves on the ground. Show one animal nearby preparing for winter.



Extension challenge: Research one animal that hibernates and one animal that migrates. Write a short paragraph explaining why these two behaviors help them survive the cold UK winter.