Nova’s Nature Nook: Living Things Quiz

Learning objective: To classify living things into broad groups according to observable characteristics and understand the Linnaean classification system.

Join Nova the owl as she explores the forest! Read each question carefully and select or write the best answer. Good luck, young scientist!

Answer Key: 1. B, 2. A, 3. True, 4. B, 5. False (plants produce their own food), 6. C, 7. Invertebrate, 8. True, 9. Vertebrate, 10. Classification.

Word bank: Vertebrate · Invertebrate · Classification · Micro-organism · Amphibian · Mammal

1. 1. Which of these is a characteristic of all mammals? A) They lay hard-shelled eggs B) They feed their young with milk* C) They have cold blood D) They live only in water (1 mark)

2. 2. Who is famous for developing the modern system of scientific classification? A) Carl Linnaeus* B) Isaac Newton C) Charles Darwin D) Gregor Mendel (1 mark)

3. 3. True or False: All living things can be grouped into one of five kingdoms. (1 mark)

4. 4. Which group of animals has a backbone? A) Invertebrates B) Vertebrates* C) Molluscs D) Insects (1 mark)

5. 5. True or False: Fungi are classified as plants because they do not move. (1 mark)

6. 6. Which of these is a micro-organism? A) A fern B) A robin C) Bacteria* D) A spider (1 mark)

7. 7. What do we call an animal that does not have a backbone or internal skeleton? (1 mark)

8. 8. True or False: Fish use gills to breathe oxygen from the water. (1 mark)

9. 9. Is a lizard a vertebrate or an invertebrate? (1 mark)

10. 10. What is the process of grouping living things based on their similarities called? (1 mark)

Draw: Draw a classification tree showing three different animals: a bird, an insect, and a fish. Label each one with its group name.

Extension challenge: Pick two animals you see in your garden or local park. Research their scientific names and explain to a partner why they belong to their specific classification groups.