

Year 3 Science Assessment: Animals Including Humans

Learning objective: To identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; to understand the importance of skeletons and muscles for support, protection, and movement.

Read each question carefully. Answer in full sentences where possible. Use your best handwriting and check your spelling.

Bea the honeybee is busy gathering nectar and pollen. She knows that all living things need nutrition to stay healthy. Meanwhile, Max the monkey is using his skeleton and muscles to climb high into the trees to look for delicious fruit. He explains to his friends that animals must eat food to get energy, as they cannot make their own food like plants do.

Word bank: nutrition · skeleton · muscles · protein · calcium · support · protection · movement · joints · balanced

1. Max the monkey says that animals cannot make their own food. Explain how animals get the nutrition they need to survive. (2 marks)

2. Name two food groups that humans need to eat as part of a healthy, balanced diet. (2 marks)

3. What are the three main jobs of a skeleton? Give one example for each. (3 marks)

4. How do muscles and bones work together to help Max the monkey climb a tree? (3 marks)

5. Why do some animals have skeletons on the inside of their bodies (endoskeletons) while others, like insects, have hard outer shells (exoskeletons)? (2 marks)

6. If a human stopped eating food containing calcium, what might happen to their bones over a long period of time? Explain your reasoning. (3 marks)

7. Imagine you are a scientist like Bea the honeybee. Write a short report explaining why a balanced diet is important for an active child. Include why we need protein for our muscles and calcium for our bones. (5 marks)

8. What is the purpose of a joint in the human body? (2 marks)

Draw: Draw a diagram of a human arm. Label the bone and the muscle. Show how the muscle connects to the bone to allow movement.



Extension challenge: Total: /25. Research Task: Find out which animal has the largest skeleton in the world and write one sentence about it.