

Year 4 Science Assessment: Animals Including Humans

Learning objective: To describe the simple functions of the basic parts of the digestive system in humans, identify the types of teeth in humans and their simple functions, and construct and interpret a variety of food chains, identifying producers, predators and prey.

Read each question carefully. Use your scientific knowledge to provide clear and accurate answers. Write in full sentences where required.

Nova the owl is observing the woodland ecosystem, while Max the monkey is busy examining how food gives humans energy. They have gathered these notes to help you with your assessment.

Word bank: Oesophagus · Stomach · Small intestine · Incisors · Canines · Molars · Producer · Predator · Prey

1. Name the three main types of human teeth and explain one job that each type performs. (3 marks)

2. When we eat, food travels through the digestive system. Place these parts in the correct order: Stomach, Mouth, Small intestine, Oesophagus. (2 marks)

3. Explain the function of the stomach in the digestive process. (2 marks)

4. Look at this food chain: Grass -> Rabbit -> Fox. Identify which organism is the producer and which is the predator. (2 marks)

5. If all the rabbits in the woodland were to disappear, what would happen to the population of foxes? Explain your reasoning. (3 marks)

6. Max the monkey eats a banana. Describe the journey of that banana through the human digestive system, starting from the mouth and ending at the small intestine. (4 marks)

7. Write a short report (5 marks) explaining why humans need a balanced diet and how our teeth are adapted to help us eat both plants and meat. Use the word bank to help you. (9 marks)

Draw: Draw a food chain that includes a producer, a primary consumer, and a secondary consumer. Use arrows to show the direction of energy flow.



Extension challenge: Total: /25