

Grade 4 Science Assessment: The Wonders of Teeth

Learning objective: To identify and describe the functions of different types of human teeth and understand the impact of diet on oral health.

Read each question carefully. Answer in full sentences where required. Ensure you use scientific vocabulary correctly.

Nova the owl has been observing how different animals eat. She noticed that humans have four different types of teeth, each perfectly shaped for a specific job in the digestive system. Meanwhile, Max the monkey is busy calculating how much sugar is in his favorite snacks, worrying about how it might affect his teeth over time.

Word bank: incisors · canines · premolars · molars · enamel · decay · bacteria · carnivore · herbivore · digestion

1. Name the four types of human teeth and describe the main function of each. (4 marks)

2. Explain why a carnivore might have sharper, longer canines compared to a herbivore. (3 marks)

3. What is the role of the hard outer layer of a tooth called enamel? (2 marks)

4. Max eats an apple, but his friend eats a sugary fizzy drink. Describe how these two items might affect their teeth differently over time. (3 marks)

5. Explain the process of tooth decay. How do bacteria contribute to the formation of a cavity? (3 marks)

6. Design a 5-mark extended response: Write a guide for a younger student explaining why we must brush our teeth twice a day. Include information about plaque, sugar, and the importance of healthy gums. (5 marks)

7. If a tooth is damaged, can it grow back? Explain your reasoning. (2 marks)

8. Why do humans have different sets of teeth as they grow from childhood to adulthood? (3 marks)

Draw: Draw a diagram of a human mouth and label the position of the incisors, canines, and molars.



Extension challenge: Total: /25. Research task: Find out how much a standard check-up for a child costs at an NHS dentist and why regular visits are essential for preventing tooth decay.