

Grade 4 Science Assessment: Animals Including Humans

Learning objective: To describe the changes as humans develop to old age and understand the human life cycle.

Read each question carefully. Use your scientific knowledge to provide clear and accurate answers. Write your responses in the spaces provided.

Nova the barn owl has been observing humans through the seasons. She notices that humans, like all mammals, go through distinct stages of growth and change throughout their lives, starting from birth and continuing until they reach old age.

Word bank: puberty · gestation · adolescence · infancy · development · adulthood · life cycle

1. Identify two physical changes that occur in humans during the stage of puberty. (2 marks)

2. Nova asks: 'Why do humans need a longer period of childhood compared to many other animals?' Explain your reasoning. (3 marks)

3. List the five main stages of the human life cycle in the correct chronological order. (5 marks)

4. Max the monkey is comparing human growth to other mammals. Explain what the term 'gestation period' means in the context of animal development. (2 marks)

5. How do the nutritional needs of a human change from infancy to adulthood? Give one example. (3 marks)

6. Describe two ways that a human body changes as it enters old age. (2 marks)

7. Write a short report (approx. 100 words) describing the journey of human development. Include the importance of healthy habits (diet and exercise) at different stages and how these contribute to a healthy life. (8 marks)

Draw: Draw a labelled diagram showing the human life cycle, starting from a baby and ending at an elderly person. Ensure each stage is clearly identified.



Extension challenge: Total: /25. Research task: Find out the gestation period of three different mammals and compare them to the human gestation period of approximately nine months.