

Nova's Life Cycle Expedition: A Year 5 Science Quiz

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

Join Nova the owl on her woodland quest! Read each question carefully and circle the best answer. Remember to use your scientific vocabulary.

Answer Key: 1. A, 2. True, 3. Adolescence, 4. B, 5. C, 6. False, 7. Puberty, 8. D, 9. False, 10. True.

Word bank: infancy · childhood · adolescence · adulthood · puberty · gestation · development

1. 1. Which of these correctly lists the human life stages in order? A) Infancy, Childhood, Adolescence, Adulthood* B) Childhood, Infancy, Adulthood, Adolescence C) Infancy, Adolescence, Childhood, Adulthood D) Adulthood, Adolescence, Childhood, Infancy (1 mark)

2. 2. True or False: During the stage of infancy, humans rely entirely on their caregivers for food and protection. (1 mark)

3. 3. What is the name of the period between childhood and adulthood where the body undergoes significant physical and emotional changes? (1 mark)

4. 4. Which of these is a primary change that happens during puberty? A) Growing teeth for the first time B) The body prepares for reproductive maturity* C) Shrinking in height D) Learning to crawl (1 mark)

5. 5. What is the average length of human gestation (the time spent in the womb)? A) 3 months B) 6 months C) 9 months* D) 12 months (1 mark)

6. 6. True or False: Growth stops immediately once a person enters adulthood. (1 mark)

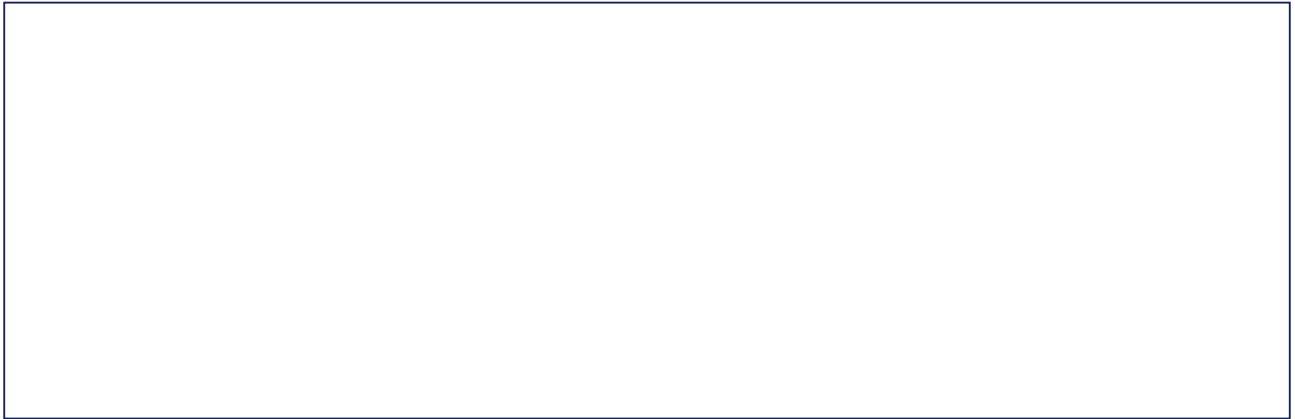
7. 7. What is the scientific term for the process where a child's body changes to become an adult body? (1 mark)

8. 8. During which stage do humans typically learn to walk and talk? A) Adulthood B) Adolescence C) Old Age D) Infancy and early Childhood* (1 mark)

9. 9. True or False: Humans are fully independent from birth. (1 mark)

10. 10. True or False: As humans reach old age, their bodies may become less efficient at repairing cells and maintaining strength. (1 mark)

Draw: Draw a storyboard showing four panels: a baby, a primary school child, a teenager, and an elderly person. Label each stage clearly.



Extension challenge: 1. Explain why humans require a much longer period of development compared to other mammals like calves or foals. 2. Compare and contrast the needs of a human infant with those of an adult. 3. Justify why it is important for the human body to change during adolescence. 4. What might happen if a human skipped the childhood stage of development? 5. Why do you think humans have a longer lifespan than many other small mammals? 6. Research and describe one physical change and one emotional change that occurs during the transition to adulthood.