

Grade 7 Science - Students Quiz - Human Reproduction 20 MCQ

This quiz covers fundamental concepts related to human reproduction, focusing on the menstrual cycle, fertilization, and early embryo development, suitable for seventh-grade students

Instructions: Choose the best answer for each question

1. What is ovulation?

- A) The release of a mature egg from the ovary
- B) The process of fertilization
- C) The shedding of the uterine lining
- D) The development of the placenta

2. What is the average length of a menstrual cycle?

- A) 21 days
- B) 28 days
- C) 35 days
- D) 40 days

3. On which day does ovulation typically occur in a 28-day cycle?

- A) Day 7
- B) Day 14
- C) Day 21
- D) Day 28

4. What happens if the egg is not fertilized?

- A) It is absorbed by the body
- B) It implants in the uterus
- C) The uterine lining is shed during menstruation
- D) The egg divides into two

5. **Which hormone levels drop if pregnancy does not occur?**
- A) Estrogen and progesterone
 - B) Testosterone and adrenaline
 - C) Insulin and glucagon
 - D) Thyroxine and calcitonin
6. **What is the primary function of the placenta?**
- A) To protect the embryo from infections
 - B) To transfer nutrients and oxygen from mother to fetus
 - C) To produce reproductive hormones
 - D) To initiate the menstrual cycle
7. **Where does fertilization usually occur in humans?**
- A) In the uterus
 - B) In the fallopian tube
 - C) In the ovary
 - D) In the cervix
8. **How long can sperm survive in the female reproductive system?**
- A) 12-24 hours
 - B) 24-48 hours
 - C) 48-72 hours
 - D) 72-96 hours
9. **What is the term for the fusion of male and female gametes?**
- A) Ovulation
 - B) Menstruation
 - C) Fertilization
 - D) Implantation
10. **What is the fertilized egg called?**
- A) Embryo
 - B) Fetus
 - C) Zygote
 - D) Gamete

11. What begins the menstrual phase?

- A) Fertilization of the egg
- B) Implantation of the embryo
- C) Shedding of the uterine lining
- D) Ovulation

12. What are common symptoms during the menstrual phase?

- A) Fever and chills
- B) Cramps and bloating
- C) Hair loss and skin rash
- D) Increased appetite and thirst

13. What is implantation?

- A) The release of an egg
- B) The fusion of sperm and egg
- C) The attachment of the blastocyst to the uterine lining
- D) The shedding of the uterine lining

14. How long does the early embryo stay in the fallopian tube?

- A) 1-2 days
- B) 3-4 days
- C) 5-7 days
- D) 8-9 days

15. What is the early developing human called until the eighth week?

- A) Fetus
- B) Embryo
- C) Zygote
- D) Infant

16. What can alter a woman's menstrual cycle?

- A) Eating disorders
- B) Stress
- C) Birth control
- D) All of the above

17. What is the main sign of a problem with the menstrual cycle?

- A) Regular periods
- B) Heavy bleeding between periods
- C) Periods lasting exactly 7 days
- D) No cramps during periods

18. Which method can help manage menstrual pain?

- A) Consuming more caffeine
- B) Using heating pads
- C) Increasing sugar intake
- D) Taking cold showers

19. What is the main purpose of the menstrual cycle?

- A) To produce hormones
- B) To prepare the body for a possible pregnancy
- C) To maintain body temperature
- D) To develop secondary sexual characteristics

20. What happens during fertilization in humans?

- A) The sperm fuses with the egg
- B) The embryo implants in the uterus
- C) The placenta develops
- D) The uterus contracts