NEWFOUNDLAND AND LABRADOR BIOLOGY 3201 · UNIT B · 25 QUESTIONS

Reproduction and Development — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **In humans, fertilization normally occurs in the**

A fallopian tube

B uterus

C ovary

D vagina

Understand It with Pulse | Flag a mistake

2 **Implantation of the embryo normally occurs in the**

A uterus

B ovary

C fallopian tube

D cervix

Understand It with Pulse | Flag a mistake

3 **Follicle stimulating hormone mainly stimulates**



A ovulation directly

B milk production only

C follicle growth in the ovary

D sperm storage

Understand It with Pulse | Flag a mistake

4 **The hormone surge that triggers ovulation is a surge of**

A progesterone

B testosterone

C prolactin

D luteinizing hormone

Understand It with Pulse | Flag a mistake

5 **Progesterone after ovulation mainly acts to**

A maintain the uterine lining

B trigger menstruation at once

C produce sperm

D stop follicle growth forever

Understand It with Pulse | Flag a mistake

6 **Estrogen is mainly responsible for the development of**

A male secondary sex characteristics

B female secondary sex characteristics

C the placenta alone

D the umbilical cord alone

Understand It with Pulse | Flag a mistake

7 **Testosterone is mainly produced in the**

A ovaries

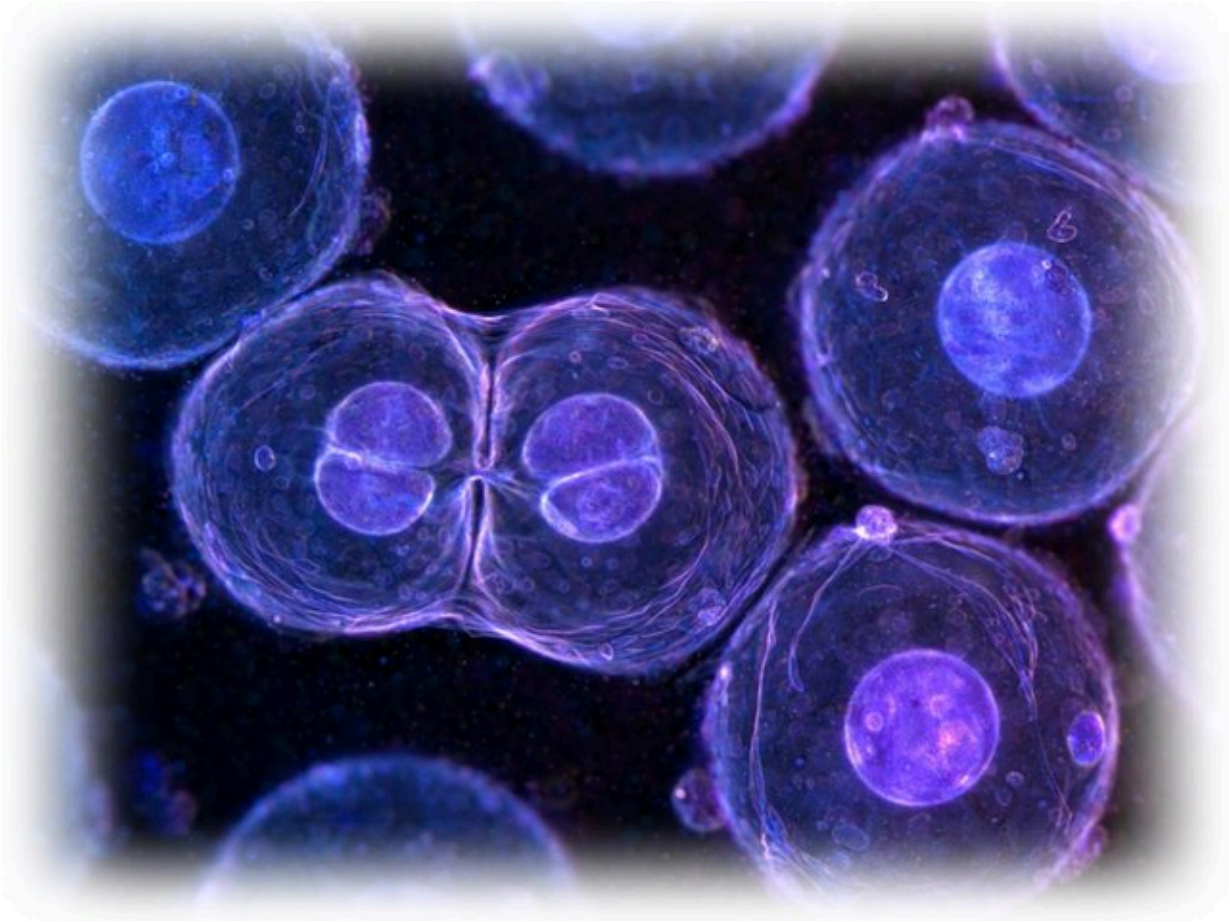
B uterus

C testes

D placenta

Understand It with Pulse | Flag a mistake

8 **Meiosis produces gametes with what chromosome number compared with the parent cell?**



A double the number

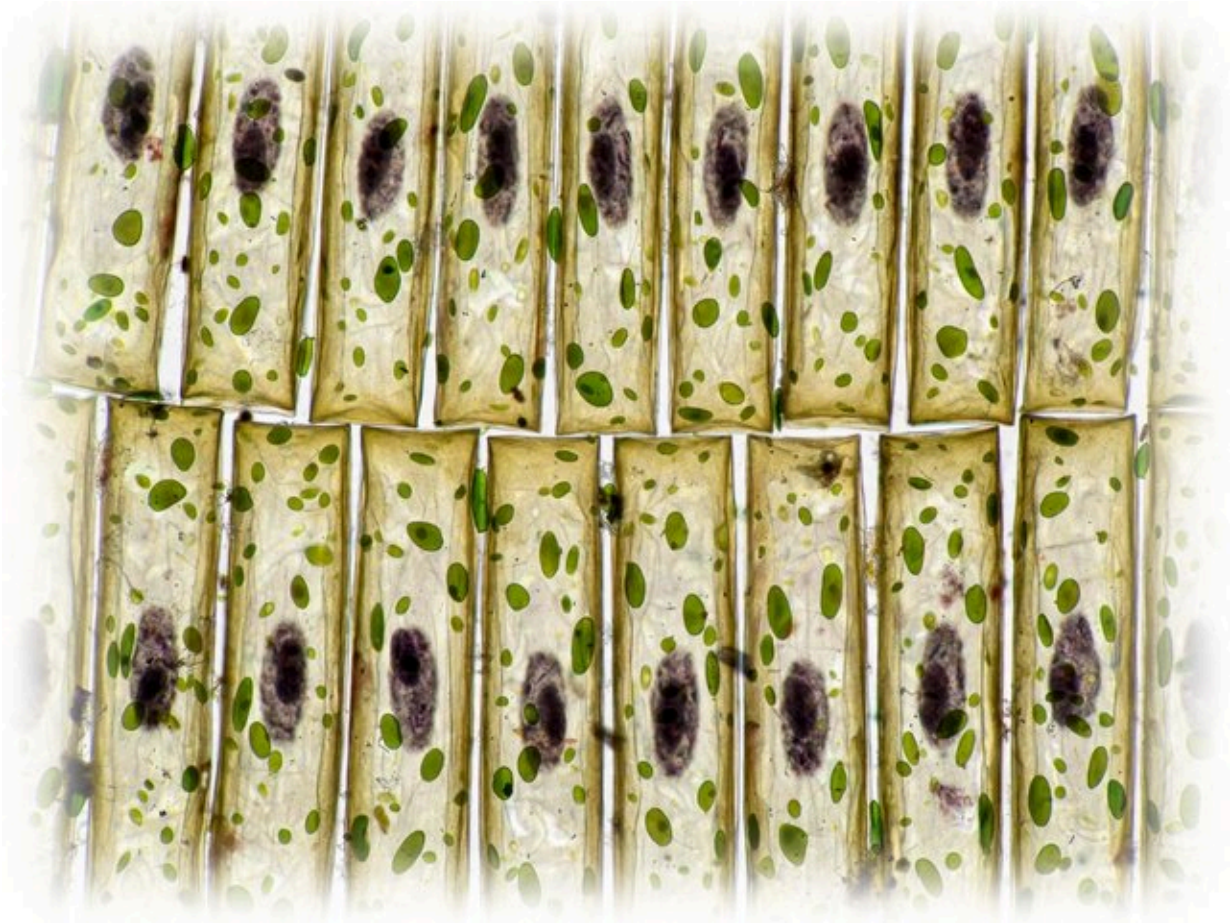
B the same number

C four × the number

D half the number

Understand It with Pulse | Flag a mistake

9 **A human zygote normally contains how many chromosomes?**



A 46 chromosomes

B 23 chromosomes

C 92 chromosomes

D 12 chromosomes

Understand It with Pulse | Flag a mistake

10 **The placenta allows exchange of materials between mother and fetus and also produces**



A sperm

B hormones

C eggs

D red blood cells only

Understand It with Pulse | Flag a mistake

11 **The umbilical cord connects the fetus to the**

A ovary

B fallopian tube

C placenta

D cervix

Understand It with Pulse | Flag a mistake

12 **Oxytocin during birth mainly stimulates**



A milk digestion

B ovulation

C fertilization

D uterine contractions

Understand It with Pulse | Flag a mistake

13 **The fluid filled sac that protects the developing embryo is the**

A amniotic sac

B placenta

C ovarian follicle

D corpus luteum

Understand It with Pulse | Flag a mistake

14 **In vitro fertilization differs from natural fertilization in that fertilization occurs**



A inside the ovary

B outside the body in a laboratory

C without any egg cell

D without any sperm cell

Understand It with Pulse | Flag a mistake

15 **The first stage of human development after fertilization is the formation of a**

A fetus

B placenta

C zygote

D gamete

Understand It with Pulse | Flag a mistake

16 **A menstrual cycle lasts 28 days and ovulation occurs on day 14. The number of days from ovulation to day 28 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **Human gestation lasts 40 weeks. The gestation length in days is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A zygote divides by mitosis. After 5 divisions, the number of cells is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A human body cell has 46 chromosomes. The number of chromosome pairs is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A cycle starts on day 1 and ovulation occurs 14 days later. The ovulation day number is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **A pregnancy lasts 280 days. The number of complete 7 day weeks in 280 days is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **One follicle releases one egg per cycle. The number of eggs released in 12 cycles is**

ANSWER

Understand It with Pulse | Flag a mistake

23 **A sample has 200 million sperm and 1 sperm fertilizes an egg. The number of sperm that do not fertilize in millions is**

ANSWER

Understand It with Pulse | Flag a mistake

24 **An embryo has 8 cells after 3 divisions. After one more division, the number of cells is**

ANSWER

Understand It with Pulse | Flag a mistake

25 **A cycle is 28 days long. Two complete cycles last how many days in total?**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. A
3. C
4. D
5. A
6. B
7. C
8. D
9. A
10. B
11. C
12. D
13. A
14. B
15. C
16. 14
17. 280
18. 32
19. 23
20. 15
21. 40
22. 12
23. 199
24. 16
25. 56

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