NOVA SCOTIA BIOLOGY 12 · UNIT B

Reproduction and Development — Practice Test

Nova Scotia Biology 12 • 25 questions

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 **A species has 46 chromosomes in each body cell. The number of chromosomes in each gamete is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A species has 78 chromosomes in each body cell. The number of chromosomes in each gamete is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A species has 8 chromosomes in each body cell. The number of chromosomes in each gamete is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **One cell divides by mitosis 4 times. The number of cells produced is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **One cell divides by mitosis 5 times. The number of cells produced is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **One cell divides by mitosis 3 times. The number of cells produced is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A menstrual cycle lasts 28 days. In a simplified model ovulation occurs 14 days before the end of the cycle. The day of ovulation is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A menstrual cycle lasts 30 days. In a simplified model ovulation occurs 14 days before the end of the cycle. The day of ovulation is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A menstrual cycle lasts 26 days. In a simplified model ovulation occurs 14 days before the end of the cycle. The day of ovulation is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **An egg cell has 23 chromosomes and the sperm cell has 23 chromosomes. The fertilised egg has, in chromosomes**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **An egg cell has 39 chromosomes and the sperm cell has 39 chromosomes. The fertilised egg has, in chromosomes**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **An egg cell has 4 chromosomes and the sperm cell has 4 chromosomes. The fertilised egg has, in chromosomes**

ANSWER

Understand It with Pulse | Flag a mistake

13 **A person releases 1 egg per menstrual cycle and has about 12 cycles per year. In 5 years the number of eggs released is about**

ANSWER

Understand It with Pulse | Flag a mistake

14 **A person releases 1 egg per menstrual cycle and has about 12 cycles per year. In 10 years the number of eggs released is about**

ANSWER

Understand It with Pulse | Flag a mistake

15 **A person releases 1 egg per menstrual cycle and has about 12 cycles per year. In 3 years the number of eggs released is about**

ANSWER

Understand It with Pulse | Flag a mistake

16 **A pregnancy lasts 40 weeks. The length in days is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **A pregnancy lasts 38 weeks. The length in days is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A pregnancy lasts 42 weeks. The length in days is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **Meiosis produces cells for sexual reproduction that are**

A haploid and genetically varied

B diploid and identical

C haploid and identical

D diploid and varied

Understand It with Pulse | Flag a mistake

20 **Crossing over during meiosis exchanges genetic material between**

A unrelated cells

B homologous chromosomes

C two species

D a cell and its nucleus

Understand It with Pulse | Flag a mistake

21 **In humans fertilisation usually occurs in the**

A uterus

B ovary

C oviduct

D cervix

Understand It with Pulse | Flag a mistake

22 **The placenta allows exchange of materials between**

A two fetuses

B mother and egg only

C fetus and amniotic fluid only

D mother and fetus

Understand It with Pulse | Flag a mistake

23 **Follicle stimulating hormone stimulates**

- A follicle growth in the ovary
- B ovulation only
- C milk production
- D uterine lining shedding only

Understand It with Pulse | Flag a mistake

24 **Implantation is the attachment of the embryo to the**

- A ovary wall
- B uterine wall
- C placenta only
- D cervix

Understand It with Pulse | Flag a mistake

25

After meiosis, daughter cells have

A twice the chromosomes

B the same number

C half the chromosomes of the parent

D no chromosomes

Understand It with Pulse

Flag a mistake

ANSWER KEY

1.	23	**10.**	46	**19.**	A
2.	39	**11.**	78	**20.**	B
3.	4	**12.**	8	**21.**	C
4.	16	**13.**	60	**22.**	D
5.	32	**14.**	120	**23.**	A
6.	8	**15.**	36	**24.**	B
7.	14	**16.**	280	**25.**	C
8.	16	**17.**	266		
9.	12	**18.**	294		

© 2026 Brett Robbins. All Rights Reserved.