

Board –CBSE

Class –8th

Topic – Reproduction in Animals

1. What is asexual reproduction?

Ans. Asexual is a kind of reproduction in which only one parent is involved to produce offspring. The offspring are similar to the parents.

2. What are male and female gametes known as in human beings?

Ans. The male gamete is known as sperm and the female gamete is called Ovum

3. Name one animal in which reproduction takes place outside the body?

Ans. In frogs, reproduction takes place outside the body

4. Name the organs that form the male reproductive system?

Ans. The male reproductive system consists of the testis, vas deferens, and penis

5. Where fertilization does take place in human beings?

Ans. Fertilization takes place in the fallopian tube of the female

6. How does an embryo receive nutrients from the mother's womb?

Ans. Embryo receive nutrients from the mother's womb through Placenta attached to the embryo by the umbilical cord

7. Name the organs that form the female reproductive system?

Ans. The female reproductive system consists of ovaries, fallopian tube, uterus, and Vagina

8. What happens to the zygote formed after the fertilization of the ovum?

Ans. The zygote formed after fertilization of the ovum divides to form the embryo which gets attached to the wall of the uterus

9. Name the hormones which regulate secondary sexual characteristics in males?

Ans. Secondary sexual characteristics in a male are regulated by testosterone which is a male sex hormone

10. What is Puberty?

Ans. The age at which human males and females become sexually mature is called puberty.

11. How twins are born?

Ans. Twins which are non-identical are born due to fertilization of two ova at the same time with sperm. Twins which are identical are born due to the division of fertilized eggs into two.

12. What are endocrine glands? What do they do?

Ans. Endocrine glands pour their secretion (hormones) directly into the bloodstream. They control and coordinate the functions of other organs of the body. Hormones are the chemical messenger that is carried by the blood to a certain tissue. Hormones regulate tissue function.

13. What is the significance of human testes being located in the scrotum?

Ans. The scrotum protects the testes by regulating the temperature testes. Sperms need a temperature less than the body temperature for their production and development.

14. What are secondary sexual characters? Mention the male and female secondary sexual characters?

Ans. Secondary sexual characteristics are those physical characteristics that change at the time of puberty and distinguish male from female physically. Secondary sexual characteristics are seen in boys

- a) Deepening of voice
 - b) Growth of hair on the face, pubic region, and armpit
 - c) Broadening of shoulder and chest
 - d) Development of moustache
 - e) Enlargement of breast
 - f) Growth of hair in pubic region and armpit
 - g) Widening of pelvic girdle
- d. Growth of hair

15. What do you understand by “gender role”?

Ans. Gender role refers to the function performed by boys and girls separately. Society has certain restrictions for what a boy and girl can do. For Example, Indian girls may encourage parents to learn cooking while boys may give a helping hand to the father.

16. How is the sex of foetus determined? Why it is prohibited by law?

Ans. The sex of a foetus is determined in the following way

- a) Ultrasonography
- b) by testing urine.
- c) Obtaining cells of the foetus by withdrawing amniotic fluid from the mother’s womb through the specialized needle. Sex determined is prohibited by law because people might kill the girl child.

17. How is the sex of a new born individual determined?

Ans. Sex is determined at the time of fertilization. A human male has an XY sex chromosome and produces two types of sperms, either with the X- chromosome or with the Y- chromosome. A

human female has XX- chromosome and produces ova of one type. If the sperm containing the X chromosome fuses with the ovum, the individual will be a girl, and the sperm containing the Y chromosome fuses with the ovum, the individual will be a boy.

18. What is a sex chromosome? Name the two types of sex chromosomes. Mention the chromosomes present in males and females.

Ans. The chromosomes which determine the sex of a person are called sex chromosomes. The two types of sex chromosomes are the X chromosome and the Y chromosome. Sex chromosomes in male - XY. Sex chromosomes in females -- XX.

19. What is the age of puberty in a girl?

Ans. 10 – 12 years

20. Which gland secretes Corticoid hormones?

Ans. Adrenal Glands secretes Corticoid hormones.