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d) The need for two parents

17. Which process produces gametes?

- a) Mitosis
- b) Meiosis
- c) Fertilization
- d) Variation

18. A change in the nucleus of a cell that is necessary for sexual reproduction is

- a) A reduced size of the nucleus
- b) Reduced number of chromosomes in the gametes
- c) Doubling the number of chromosomes in the gametes
- d) Development of gametes with the same number of chromosomes as the parent

19. Which one of the following statements is true about human gametes?

- a) The sperm is smaller than the ovum because the ovum contains more nutrients
- b) The sperm is larger than the ovum because the sperm must swim a greater distance
- c) The human female releases more than 400 000 ova in her lifetime
- d) Sperm fertilizing the ovum triggers cell division called meiosis

20. How many chromosomes are in the nucleus of a human ovum?

- a) 4
- b) 22
- c) 46
- d) 23

21. Which one of the following lists relate to human reproduction in both females and males?

- a) Follicles, gonads, FSH
- b) Gonads, hormones, pituitary gland
- c) Hormones, vas deferens, estrogen
- d) Cervix, secondary sex characteristics, testosterone

22. At puberty, the enlargement of the larynx (Voice box) resulting in a deeper voice in males is caused by

- a) Progesterone
- b) Estrogen
- c) The follicle
- d) Testosterone

23. The sperm are transported in a fluid produced by the

- a) Epididymis and seminal vesicles
- b) Prostate and urethra
- c) Vas deferens and urethra
- d) Seminal vesicles and prostate

24. Determine which statements about the female reproductive tract are true:

- 1. ova are produced in the Fallopian tubes
- 2. the embryo develops in the uterus
- 3. the urethra connects to the cervix
- 4. the menstrual flow is from the walls of the vagina
- 5. the follicle is in the ovary

- a) 1 and 3
- b) 2 and 4
- c) 2 and 5
- d) 1, 2, and 4

25. The structure that allows exchange of materials between the embryo and the mother is the

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3

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J Elliott

A red circular graphic with a gradient, appearing as a partial circle or a stylized arrow pointing to the right, located on the right side of the light blue bar.

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