

Grade 9 Chapter 5 Review

The Cell

1. Draw a cell and label the following parts; cell membrane, nucleus and cytoplasm
2. In which part of the cell is the DNA located?

DNA

3. What does DNA look like? What is its shape?
4. What is a gene?
5. What is a genome?
6. What is genetic diversity?
7. How does genetic diversity ensure survival of the species?

Cell Division

8. What are the three reasons why cells divide?
9. Describe the differences between Mitosis and Meiosis by giving three characteristics of each.
10. How many chromosomes does a diploid cell have?
11. How many chromosomes does a haploid cell have?

Cellular Specialization

12. What is a tissue?
13. Give four examples of tissues, what do they each do?
14. What is an organ?

15. Give an example of at least three different organs
16. What is a system?
17. Give an example of two systems and explain what they do.
18. When cells, tissues, organs and systems are all working together what do you get?

Puberty

19. What is a hormone?
20. Which hormones trigger (or start) puberty?
21. What is/are the female sex hormone(s)?
22. What is/are the male sex hormone(s)?
23. What are the primary sexual characteristics in males and females?
24. What are the secondary sexual characteristics in males and females?

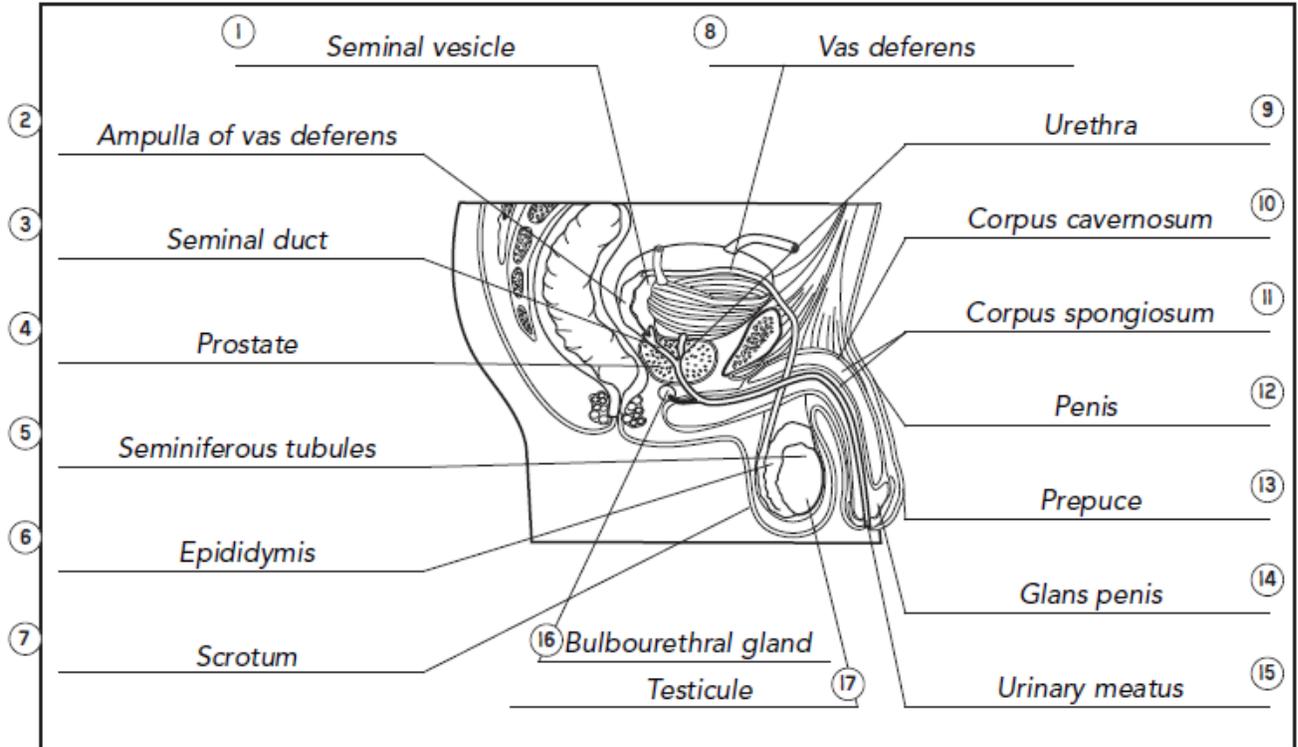
Female Reproductive System

25. What is oogenesis?
26. What is the ovarian cycle?
27. Why does the uterine wall (also called the endometrium) thicken with blood and tissue?
28. Where is a female ovum fertilized?
29. Where does a fertilized ovum implant itself?
30. What is menopause?

Male Reproductive System

31. What is spermatogenesis?
32. Where are sperm formed?
33. What path does sperm follow from creation to expulsion from the body?
34. What is andropause?

ANATOMY OF THE MALE REPRODUCTIVE SYSTEM



ANATOMY OF THE FEMALE REPRODUCTIVE SYSTEM

