|  |  |  |  |
| --- | --- | --- | --- |
| **4.3 The Reproduction System allows the production of offspring** | | | |
| **Before you learned…** |  | | |
| **Now you will learn…** |  | | |
| **Define the following words.**  **Menstruation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Fertilization: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Embryo: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Fetus: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | |
| **Question** | | **Answer** | |
| **The male and female reproductive systems are different but they do share an important characteristic….** | |  | |
| **Female specialized cells are called…** | |  | |
| **The male specialized cells are called...** | |  | |
| **What is genetic material? Why is it important?** | |  | |
| **Both the male and the female reproductive systems rely on….** | |  | |
| **Why are hormones important?** | |  | |
| **FEMALE REPRODUCTIVE SYSTEM** | | | |
| **Female reproductive organs…**   * **About how many eggs does each of these organs contain?** * **How do the ovaries get the uterus prepared to receive an egg?** | |  | |
| **Label the female reproductive organs…** | | | |
| **Where does the egg travel after it leaves the ovary?** | |  | |
| **Where is the egg cell fertilized?** | |  | |
| **What happens if an egg is not fertilized?** | |  | |
| **What are the two main functions of the female reproductive system and where do they take place?** | |  | |
| **MALE REPRODUCTIVE SYSTEM** | | | |
| **The organ that produces sperm is called the…**   * **What is inside this organ?** * **What is produced by the coiled tubes?** | | |  |
| **The testes release a hormone that is responsible for what?** | | |  |
| **When do males start producing sperm?** | | |  |
| **Sperm is a \_(1)\_ with a \_(2)\_ and a \_(3)\_.** | | |  |
| **Describe the contents/job of the sperm’s head and tail** | | | Head:  Tail: |
| **What is semen and why is it important to sperm and overall reproduction.** | | |  |
| \*\*We will label this together because it is not in your textbook\*\* | | | |
| **FERTILIZATION** | | | |
| **What is fertilization?** | | |  |
| **Where does fertilization occur?** | | |  |
| **What is the ball of cells that grows from a fertilized egg?** | | |  |
| **Where does the fertilized egg begin to divide?** | | |  |
| **Where does the embryo implant?** | | |  |
| **How does the egg progress to implantation?** | | |  |
| **Describe the development of an embryo and fetus at two weeks, eight weeks, and twelve weeks.** | | | Two Weeks:  Eight Weeks:  Twelve Weeks: |
| **What happens during each of the three stages of birth?** | | | First Stage:  Second Stage:  Third Stage: |
| **How does the first stage of birth begin?** | | |  |
| **How does the embryo change as pregnancy progress?** | | |  |
| **Why are some twins identical and some are not?** | | |  |