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Crash Course Anatomy & Physiology #40: Female Reproductive System

Name: _____ Date: _____

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1. The reproductive system is mainly concerned with passing on _____ or genetic information.
2. The primary internal sex organs are the _____, such as testes and ovaries.
3. The reproductive cells, sperm and eggs, are called _____.
4. Female gametes are produced and released by the _____.
5. Gametes are _____ cells, meaning they have only one set of chromosomes.
6. A sperm and egg fuse to form a _____ cell with two sets of chromosomes.
7. The basic reproductive units in the ovary's cortex are the _____ follicles.
8. The process of egg creation is called _____.
9. The ovarian cycle is started by the hypothalamus releasing _____-releasing hormone.
10. The anterior pituitary secretes two hormones that regulate follicles: _____ and luteinizing hormone (LH).
11. When a mature follicle ruptures and releases an oocyte, this is called _____.
12. After ovulation, the ruptured follicle becomes the _____ luteum, which produces progesterone.
13. The muscular organ where a fertilized egg implants is the _____.
14. The inner lining of the uterus is called the _____, which sheds during menstruation.
15. The second phase of the menstrual cycle, when the endometrium rebuilds, is called the _____ phase.

Crash Course Anatomy & Physiology #40: Female Reproductive System KEY

1. The reproductive system is mainly concerned with passing on **alleles**, or genetic information.
2. The primary internal sex organs are the **gonads**, such as testes and ovaries.
3. The reproductive cells, sperm and eggs, are called **gametes**.
4. Female gametes are produced and released by the **ovaries**.
5. Gametes are **haploid** cells, meaning they have only one set of chromosomes.
6. A sperm and egg fuse to form a **diploid** cell with two sets of chromosomes.
7. The basic reproductive units in the ovary's cortex are the **ovarian** follicles.
8. The process of egg creation is called **oogenesis**.
9. The ovarian cycle is started by the hypothalamus releasing **gonadotropin-releasing hormone**.
10. The anterior pituitary secretes two hormones that regulate follicles: **follicle-stimulating hormone (FSH)** and **luteinizing hormone (LH)**.
11. When a mature follicle ruptures and releases an oocyte, this is called **ovulation**.
12. After ovulation, the ruptured follicle becomes the **corpus luteum**, which produces progesterone.
13. The muscular organ where a fertilized egg implants is the **uterus**.
14. The inner lining of the uterus is called the **endometrium**, which sheds during menstruation.
15. The second phase of the menstrual cycle, when the endometrium rebuilds, is called the **proliferative** phase.

15 Questions

Answer Key Included

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