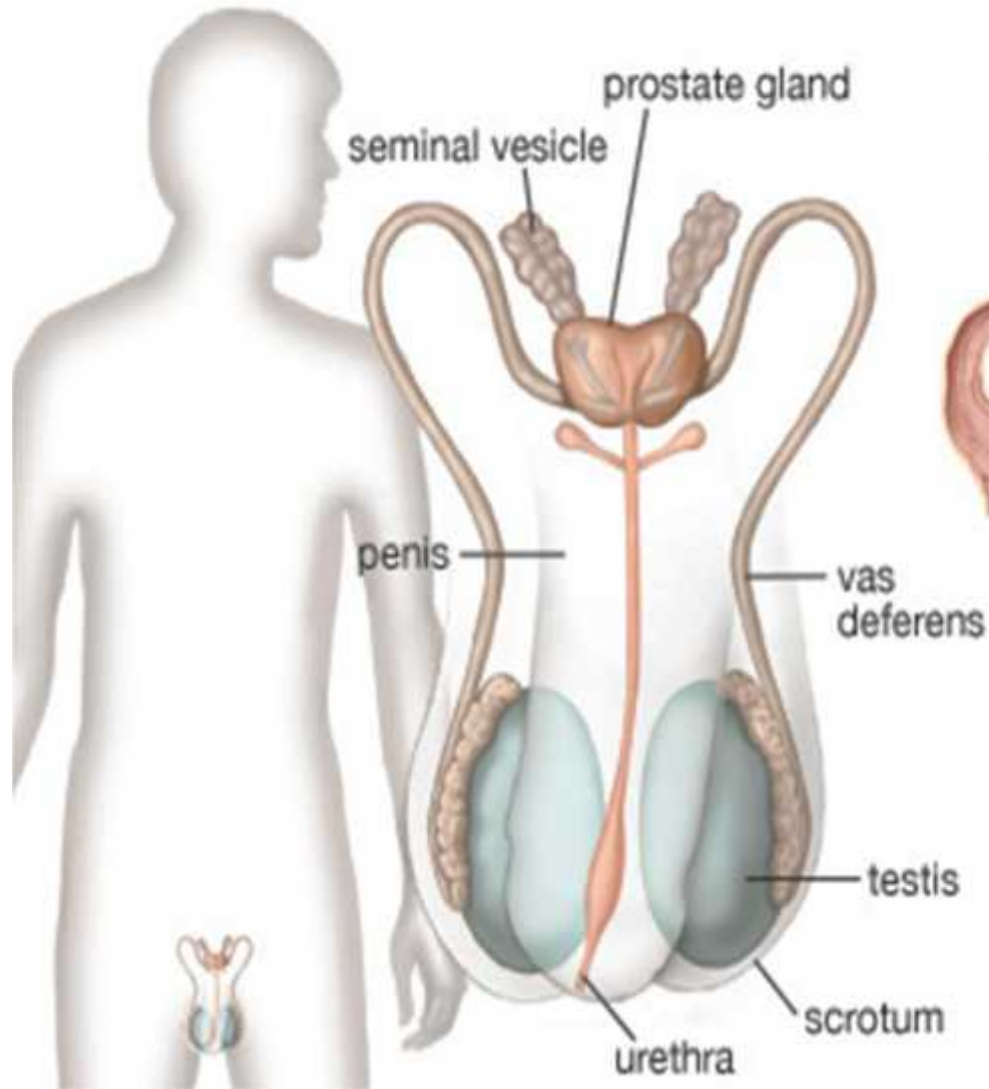


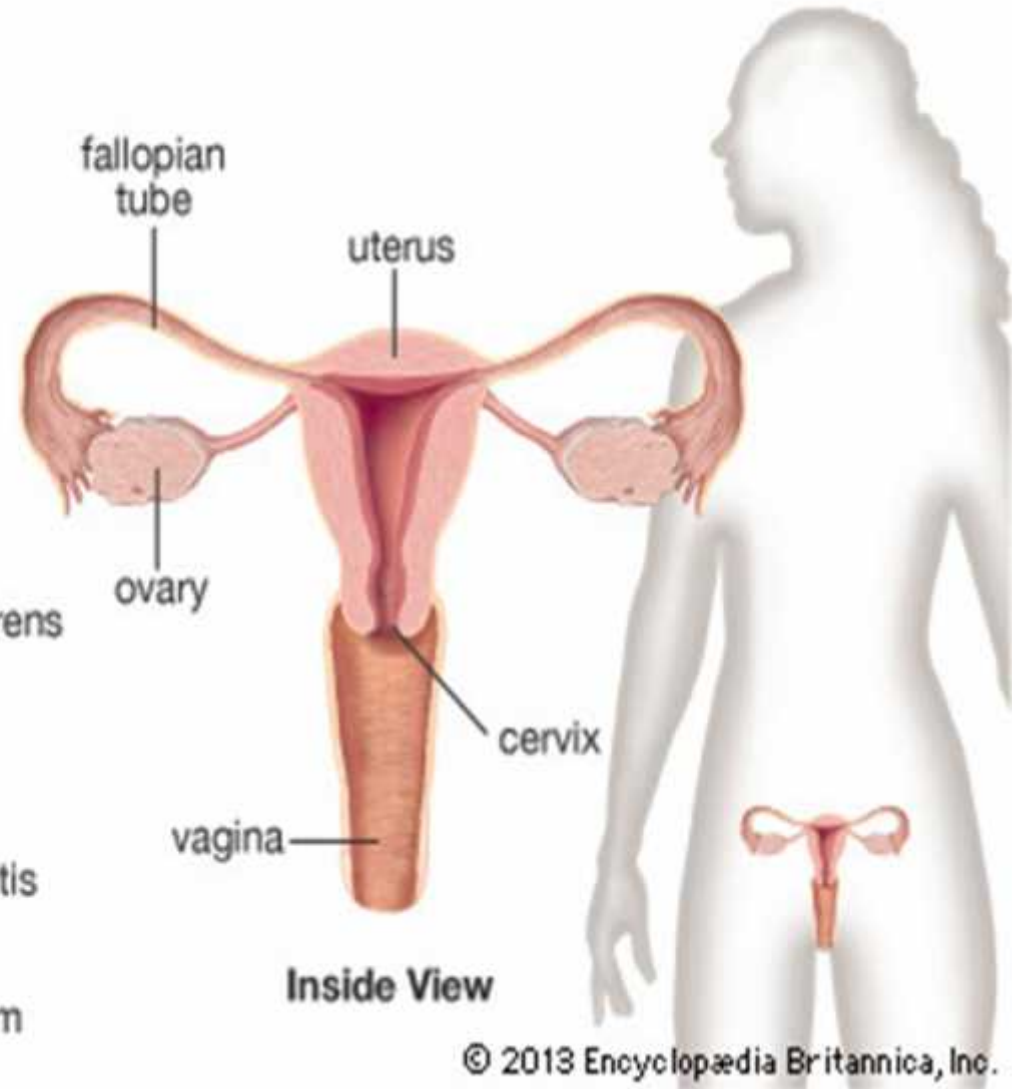
The Reproductive Systems

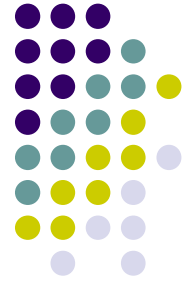


Male Reproductive System



Female Reproductive System

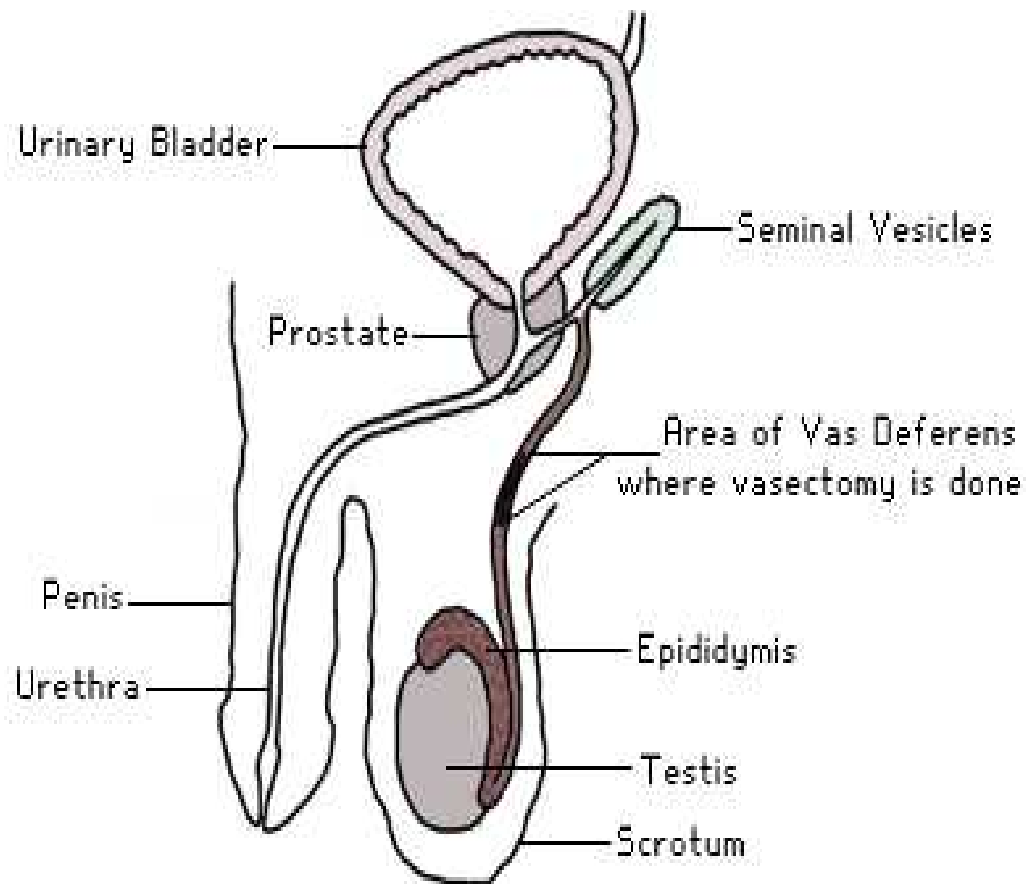




Review

- Mitosis is the type of cell division that occurs in non-reproductive cells.
 - Produces exact copies of the parent cell
- Meiosis is cell division that occurs in reproductive cells; gametes.
 - Produces egg and sperm cells with half the genetic material of the parent cells.
 - 23 chromosomes are contained in gametes; this is so that when egg and sperm meet, they produce offspring with 46 chromosomes.

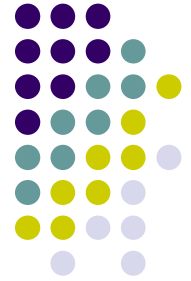
Organs of the Male Reproductive System



Male Reproductive System

- Penis
- Urethra
- Vas Deferens
- Scrotum
- Testes
- Bladder*

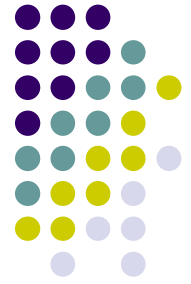
*Not a part of the reproductive system



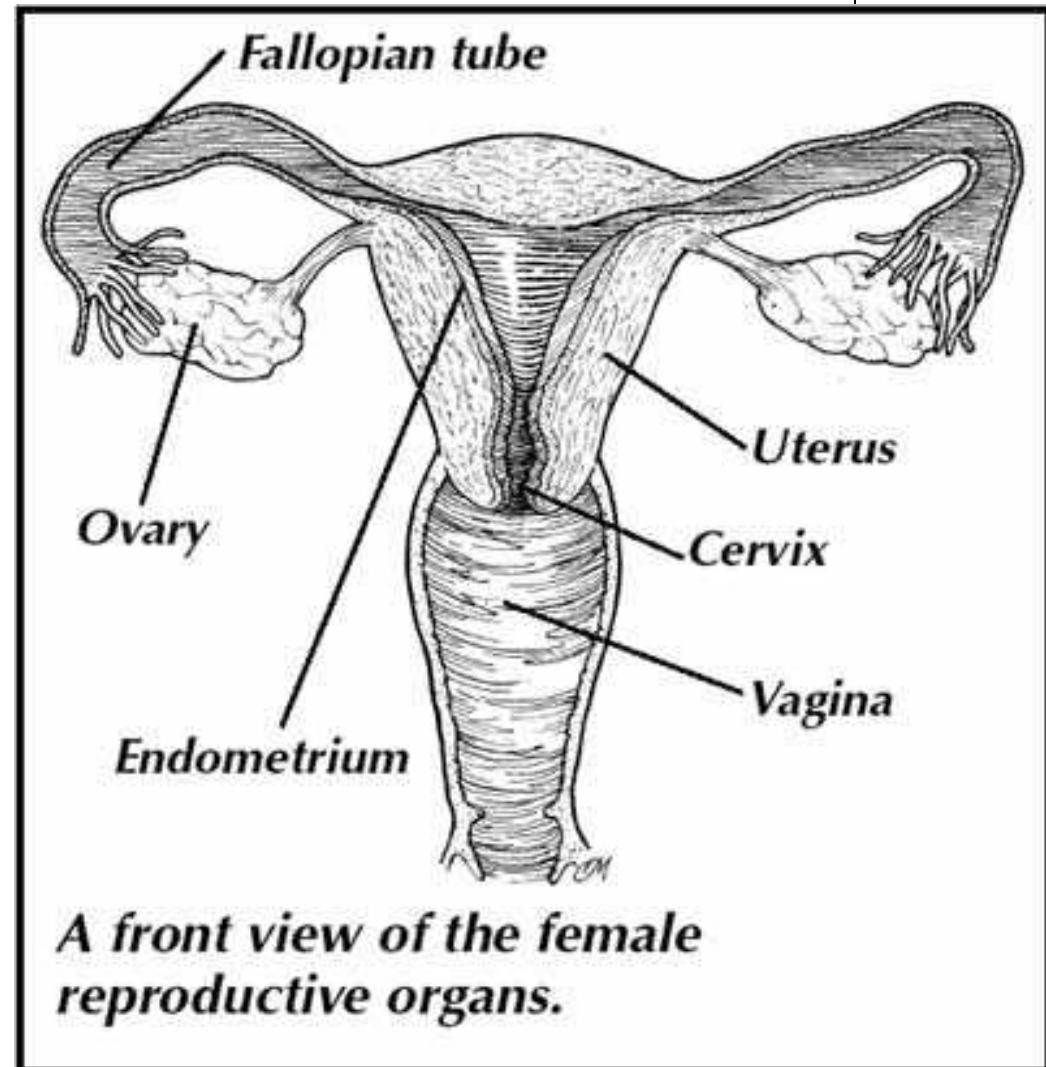
Functions:

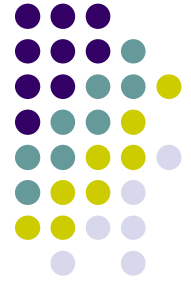
1. Produce sex hormones.
2. Produce and store sperms.
3. Deliver sperm to the female reproductive system.

Organs of the Female Reproductive System



- Vagina
- Cervix
- Uterus
- Fallopian Tubes
- Ovary

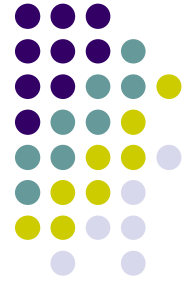




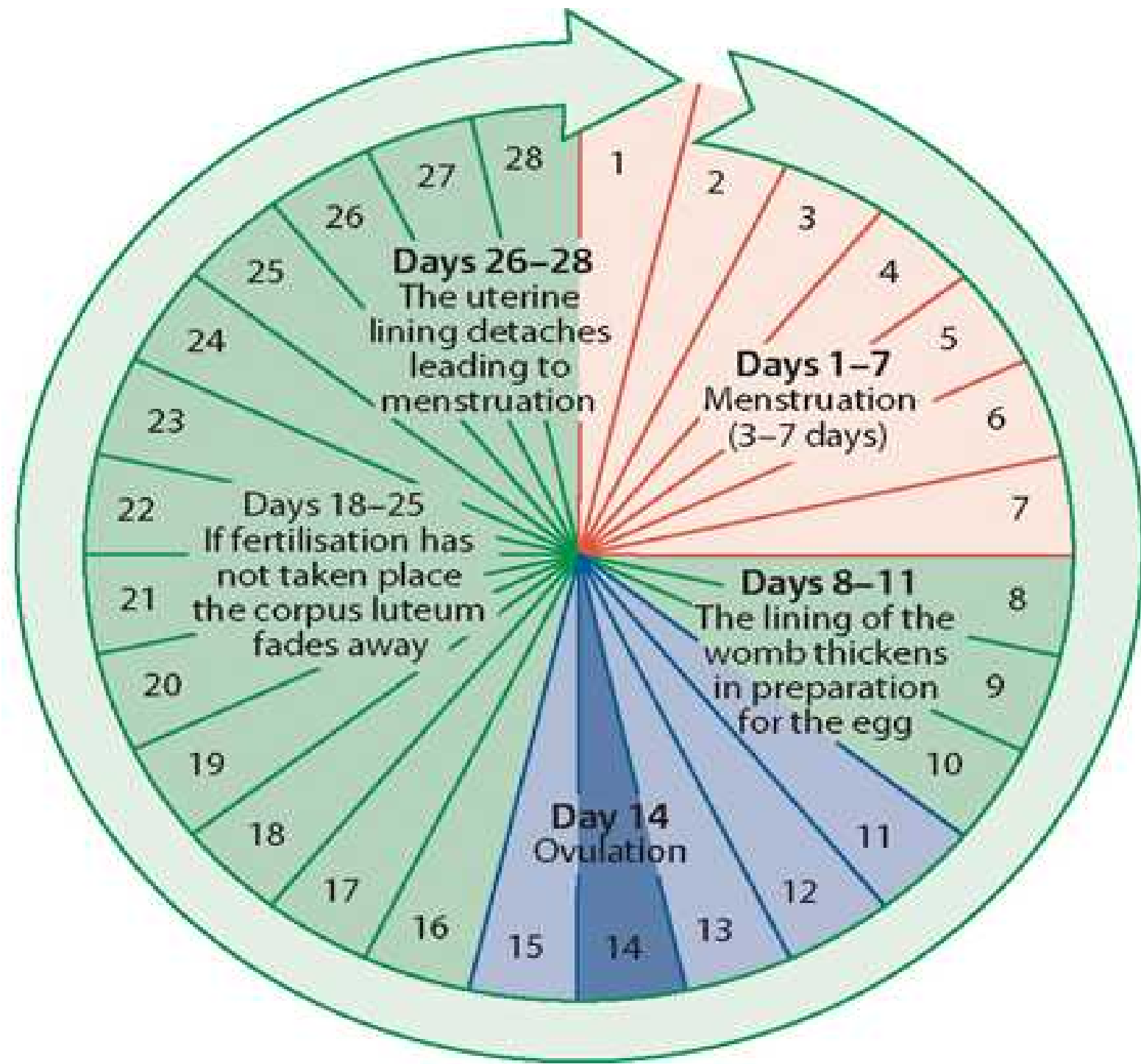
Functions:

1. Produces eggs (ova).
2. Secretes sex hormones.
3. Receives the male spermatozoa.
4. Protects and nourishes the fertilized egg until it is fully developed.
5. Delivers fetus through birth canal.
6. Provides nourishment to the baby through milk secreted by mammary glands in the breast.

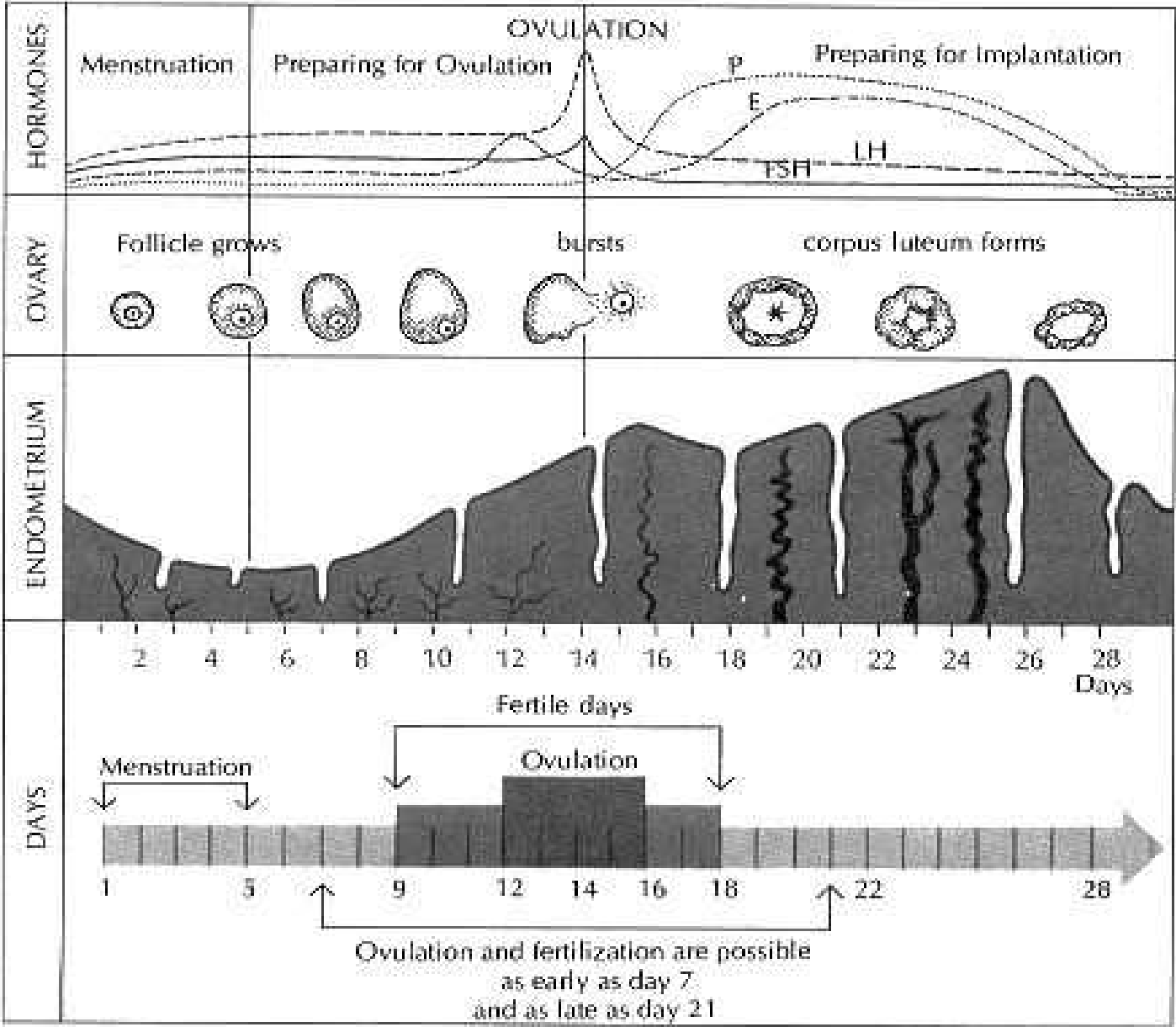
The Menstrual Cycle



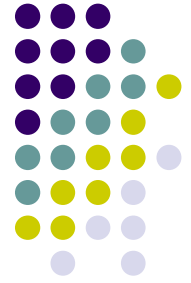
- The menstrual cycle typically lasts 28 days; approximately 1 month.
 - One cycle is the amount of time from the beginning of one period to the beginning of the next period.
- The beginning of a period is marked by the release of the blood and lining from the inside of the uterus.
 - This flow of blood typically lasts 3-7 days and is called menstruation.



Menstrual Cycle Timeline



The Menstrual Cycle and Fertilization



- If the egg is fertilized by a sperm cell, the egg will implant in the lining of the uterus and begin to develop.
 - Zygote: The first cells of a new organism; the time from fertilization to implantation.
 - Embryo: The zygote is called an embryo from implantation to 8 weeks.
 - Fetus: After 8 weeks of development, the embryo is known as a fetus.

Twins



- Multiple eggs are released or there is more than one ovulation. Both (or more) eggs are fertilized and you have fraternal twins.
- One egg is released but splits in two. Identical twins are made. If the egg does not completely split in two, conjoined twins are produced.