FOR REPRODUCTION CLUES CROSSWORD

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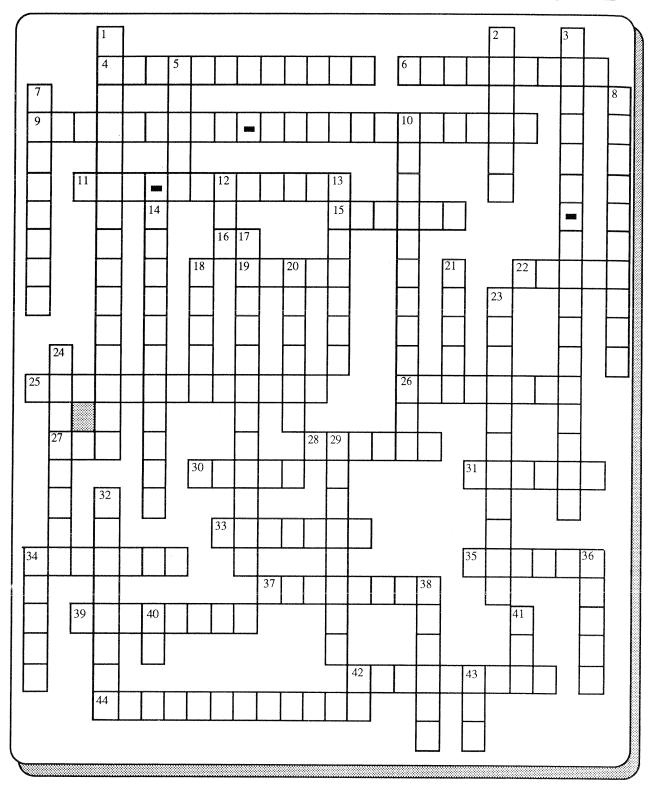
- A hormone that maintains the uterine lining after ovulation progesterore 4.
- 6.
- The release of an ovum ovulation A pituitary hormone that maintains the corpus luteum after fertilization charical general trapper
- Tubules that carry sperm to the ejaculatory duct vas defecting 9. 11.
- Another name for sexual intercourse coitus 15.
- Short for hello he 16.
- A prefix that means small mice
- An organ that produces sex hormones and gametes in the female Ovary 19.
- An organ that produces sea normalises and substances uterine contractions prostoglanding A hormone, released by the seminal vesicles, that causes uterine contractions prostoglanding 22. 25.
- A hormone that causes uterine contractions in the female during labor oxydocin 26.
- International signal for help 505
- Produce hormones and sex cells in the male (plural form) testes 27.
- The unborn child three months after conception is called a feetos 28. 30.
- 31.
- A gland in the male that neutralizes the urethra before ejaculation
- A fluid that contains semen is referred to as _____ fluid Seminal 33.
- The remaining follicle cell that releases progesterone is the corpus luteur 34.
- 35.
- An important organelle that propels spermatozoa Stage 14 A fluid-filled sac in the ovaries that releases hormones and aids in maturing the ova 37.
- __ cord that attaches the fetal circulation to the placenta while cal 39.
- Tubule in the testes that makes sperm cells seminifecous 42. 44.

Down

- A process that occurs in the walls of the seminiferous tubules SPETM adagenesis
- A muscular tube that receives the penis during sexual intercourse vacina 1.
- Erectile tissue found in the top of the penis and in the clitoris corpus course of the penis and in the clitoris corpus course of the penis and in the clitoris corpus course of the penis and in the clitoris corpus course of the penis and in the clitoris corpus course of the penis and in the clitoris corpus course of the penis and in the clitoris corpus course of the penis and in the clitoris corpus course of the penis and in the clitoris corpus course of the penis and in the clitoris corpus course of the penis and in the clitoris corpus course of the penis and in the clitoris corpus course of the penis and in the clitoris corpus course of the penis and in the clitoris corpus course of the penis and the peni 2.
- A general name for a sexual organ that produces gametes gonad 3.
- A vesicle in the head of the sperm that contains digestive enzymes accosone
- A tube outside of the testes that stores sperm until they can be released epididy will
- A hormone that promotes muscle development and facial hair testosterone 10.
- A hormone that causes an ovum to begin maturing during the beginning of the menstrual 12.
- An external sack that helps to maintains the testes at a lower than body temperature scrotom
- The prostate gland provides the muscular contraction for this exaculation.

 The attachment of the embryo to the uterine lining implantation. 13.
- 14.
- When implantation occurs in the oviducts it is called a ____ pregnancy that Secretes a mucus that can block or encourage sperm's entry into the uterus CECVIX 17.
- 18.
- The name given to the undeveloped child the first 3 months of pregnancy embryo 20. 21.
- The internal lining of the uterus that has a rich blood and fluid supply endown them.
- A giand that produces most of the fluid that is found in semen prostate 23.
- A hormone that causes the development of breasts and widens hips in females estroyer 24.
- Sensitive erectile tissue in the female, that is anterior to the vagina clifo ris 29.
- 32.
- A cell in the male that has 23 chromosomes A well-behaved Canadian mammal that is about 600X the weight of a squirrel. MOO SE 34.
- The innermost membrane found around the fetus, that is fluid-filled committee 36.
- A hormone that causes ovulation LH 40.
- Several egg cells ava 41.
- You and me US 42.
- Inter-uterine device TUD 43.

REPRODUCTION CROSSWORD



Menstruation - Reproduction- Work Sheet 1

Menstruation is the periodic discharge of blood and fluid from the uterus caused by the **(high/low)** levels of estrogen and progesterone at the end of the monthly cycle (hormonal withdrawal).

- 1. The **(adrenal/pituitary)** gland secretes the follicle-stimulating hormone and luteinizing hormone because of the low levels of estrogen in the blood.
- 2. FSH and LH stimulate the growth of the (follicles/cilia) which contain ova in the ovaries.
- 3. FSH also causes the ovaries to increase their production of (estrogen/sperm).
- 4. Increasingly (large/small) amounts of estrogen are produced. This causes the endometrium of the uterus to thicken with blood and fluids for possible implantation of a fertilized ovum.
- 5. When the ovum has matured it is released to the fallopian tubes. The follicles stay behind in the ovaries. This is called ovulation and takes about (28/14) days to occur. The woman is now (fertile/pregnant) as long as the ovum lives, which is about 3-5 days.
- 6. A lot of estrogen has been released into the blood and feeds back to the hypothalamus, causing it to (increase/shut down) the production of FSH which is no longer needed because the ovum has been released from the (overy/uterus).
- 7. After ovulation the remaining follicles (enlarge/shrink) and become what is called the corpus luteum. The corpus luteum is like the eggshell of the released egg.
- 8. The corpus luteum then secretes both estrogen and **(progesterone/testosterone)**. This also prepares the endometrium to **(decrease/increase)** in thickness because of extra blood supply (preparing for implantation of the ovum).
- 9. If the ovum was not fertilized and implantation did not occur, the (corpus uteum/corpus cavernosum) will disintegrate and as a result progesterone and estrogen secretions will halt.
- 10. If (excess/no) estrogen and progesterone are being secreted the endometrium cannot be maintained and is discarded. Hence, there is a menstrual discharge of blood and fluid. This is considered the first day of the menstrual cycle which can last from 3 to 7 days.
- 11. When the level of estrogen (increases/decreases) in the blood, FSH production from the pituitary gland increases and the cycle begins again.

Reproduction - Work Sheet 3

Match the following:

I. What each process is:

- 1 ovulation a. the emission of seminal fluid
- 2_____ejaculation b. the release of the ovum from the ovaries
- 3 C fertilization c. the union of the male and female gametes
- 4 d. the period of time when menstruation stops
- 5. + implantation e. the periodic discharge of blood from the uterus
- 6 embryo to the endometrium

II. Where each process occurs:

- 1______ ovulationa. penisb. uterus2______ fertilizationc. ovariesd. vagina3______ implantatione. cervixf. oviducts
 - spermatogenesis g. seminiferous tubules

III. What each of the following is:

- 1.6.a. a fertilized ovum2.c ovumb. male (haploid) gamete cell3.spermc. female (haploid) gamete cell
- 5. e. a fluid-filled tissue of the ovary in which the egg develops
- 6 follicle cell f. remaining follicle cells after ovulation secrete progesterone
- 7. corpus luteum g. an organism after about eight weeks of development has organs and the beginnings of internal bone structure

IV. What each of the following is:

- 1. b lastocoel a. a ball of cells with distinct cellular layers
- 2.

 b. fluid-filled cavity within the developing zygote
- 3 Q blastomeres c. a wall of single cells lining the newly-formed hollow sphere
- 4. C blastula d. a cluster-like structure of cells forming 3 days after fertilization
- 5. O gastrula e. tiny cells in a ball of cells that release fluid into an internal cavity
- 6_____ morula f. a ball of cells, attached to the uterine lining, that contains a cavity

Reproduction - Work Sheet 4

Match	the	follo	wing
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1.	What	each	hormone	does:
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1. estrogen

a. maintains the uterine lining

2____ progesterone

b. stimulates sex characteristics in the male

3 b testosterone

c. stimulates ovulation and the development of the corpus

luteum

4. C luteinizing hormone

d. stimulates development of the ovum and follicle

5_d follicle-stimulating

e. helps in the development of the uterine lining and secondary sex characteristics in the female

2. Name each process:

encelation evulation feetilization menopouse a. the emission of seminal fluid

b. the release of the ovum from the ovaries

c. the union of the male and female gametes

d. the period of time when menstruation stops

e. the periodic discharge of blood from the uterus

f. the attachment of the embryo to the endometrium

3. Explain how each of the following is important for reproduction.

a. cervix

b. penis

c. ovaries

d. vagina

e. uterus

f. scrotum

g. oviducts

h. prostate gland

i. seminiferous tubules

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Reproduction - Hormones - Work Sheet 5

- 1. Explain the differences between a follicle cell, corpus luteum and an ovum.
- 2. Explain the hormone cycle in the 28 day menstrual cycle.

3. What is the importance of the hormones involved in labor?

True/False

- 1. ____Estrogen prepares the uterine lining for implantation.
- 2. Progesterone stimulates sex characteristics in the male.
- 3. Testosterone is produced by the pituitary gland.
- 4. ____Luteinizing hormone stimulates ovulation and the development of the corpus luteum.
- 5. Follicle-stimulating hormone helps in the development of the uterine lining and secondary sex characteristics in the female.
- 6. Luteinizing hormone stimulates the development of the ovum and follicle before ovulation.
- 7. T Progesterone is produced by the corpus luteum.
- 8. ____ The widening of hips in the female is a primary sex characteristic.
- 9. Cytocin is a hormone which prevents pregnancy.
- 10. A pregnant woman would likely have human chorionic gonadotropic hormone in her blood.

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