Study Guide 18

Name _____

REPRODUCTION

Section 18.3 Reproduction in Animals *In your textbook, read about fertilization.*

Circle the letter of the choice that best completes the statement.

1. In animals, sperm are produced from cells of
   a. ovaries. b. testes.
   c. gametes. d. males.

2. Animals that have both male and female reproductive organs are called
   a. gametes. b. earthworms.
   c. earthworms or clams. d. hermaphrodites.

3. Sexual reproduction in most worms occurs
   a. outside the female. b. inside the female.
   c. in water. d. inside the male.

4. Sexual reproduction in dogs occurs
   a. inside the male. b. outside the male.
   c. in storage organs. d. inside the female.

5. An example of an adaptation which ensures that fertilization can occur is the a. storage of eggs and sperm in a dry environment.
b. storage of live sperm within the female earthworm.
c. release of eggs before the release of sperm.
d. release of eggs after the release of sperm.

For each animal named in Column A, write the letter in Column B of the adaptation made to ensure fertilization.

Column A	**Column B**
_____6. frog	a. lays from 2000 to 10 000 eggs
_____7. earthworm	b. fertilization is internal
_____8. insect	c. storage organs keep sperm alive over time
_____9. salmon (female)	d. courtship behavior stimulates release of male and female gametes simultaneously

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Section 18.3 Reproduction in Animals continued

In your textbook, read about the' estrous cycle and human reproduction.

For each statement below, write true or false.

_____ 10. The time during which male dogs produce sperm is known as estrus.

_____ 11. Hormones control the production and release of eggs and sperm.

_____12. At the peak of the estrous cycle, the female's eggs are released by the ovary and cannot be fertilized.

_____ 13. The release of an immature egg from the follicle within the ovary is called ovulation.

Complete each statement.

14. In what part of the human female do eggs develop? _____

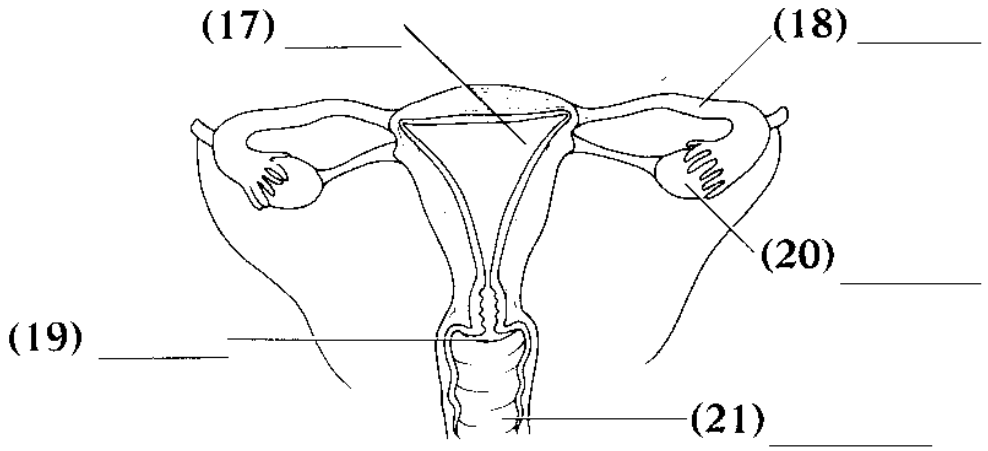
15. What part of the human male surrounds the place where sperm are produced? _____

16. How does fertilization occur in humans? _____
_____

In your textbook, read about the menstrual cycle.

Label the parts of the diagram below. Use these choices:

uterus ovary cervix vagina oviduct



Name _____ **REPRODUCTION,**

Chapter 18 Vocabulary

Match the definition in Column A with the correct term in Column B.

Column A	Column B
_____1. structure within the ovary in which immature eggs develop	a. vegetative reproduction
_____2. chemical produced in one part of an organism that stimulates a response in another part	b. conjugation
_____3. method of asexual reproduction in animals	c. semen
_____4. structure leading from the cervix to the outside of the female's body	d. hermaphrodite
_____5. replacement of missing body parts by means of mitosis	e. endosperm
_____6. structure in the pistil from which a seed eventually forms	f. ovule
_____7. the last phase of the menstrual cycle	g. budding
_____8. food source that provides energy for the development of a new plant	h. regeneration
_____9. period of time during which the female of some mammal species is receptive to mating	i. pollination
_____10. process of transfer of DNA by cell-to-cell contact	j. hormone
_____11. sac containing the male testes	k. menstruation
_____12. organ in which a fertilized egg develops	l. uterus
_____13. transfer of pollen from anther to stigma	m. estrus
_____14. animal in which both male and female sex organs develop within the same individual	q. vagina
_____15. asexual reproduction in plants	o. follicle
_____16. combination of sperm and fluids	p. scrotum

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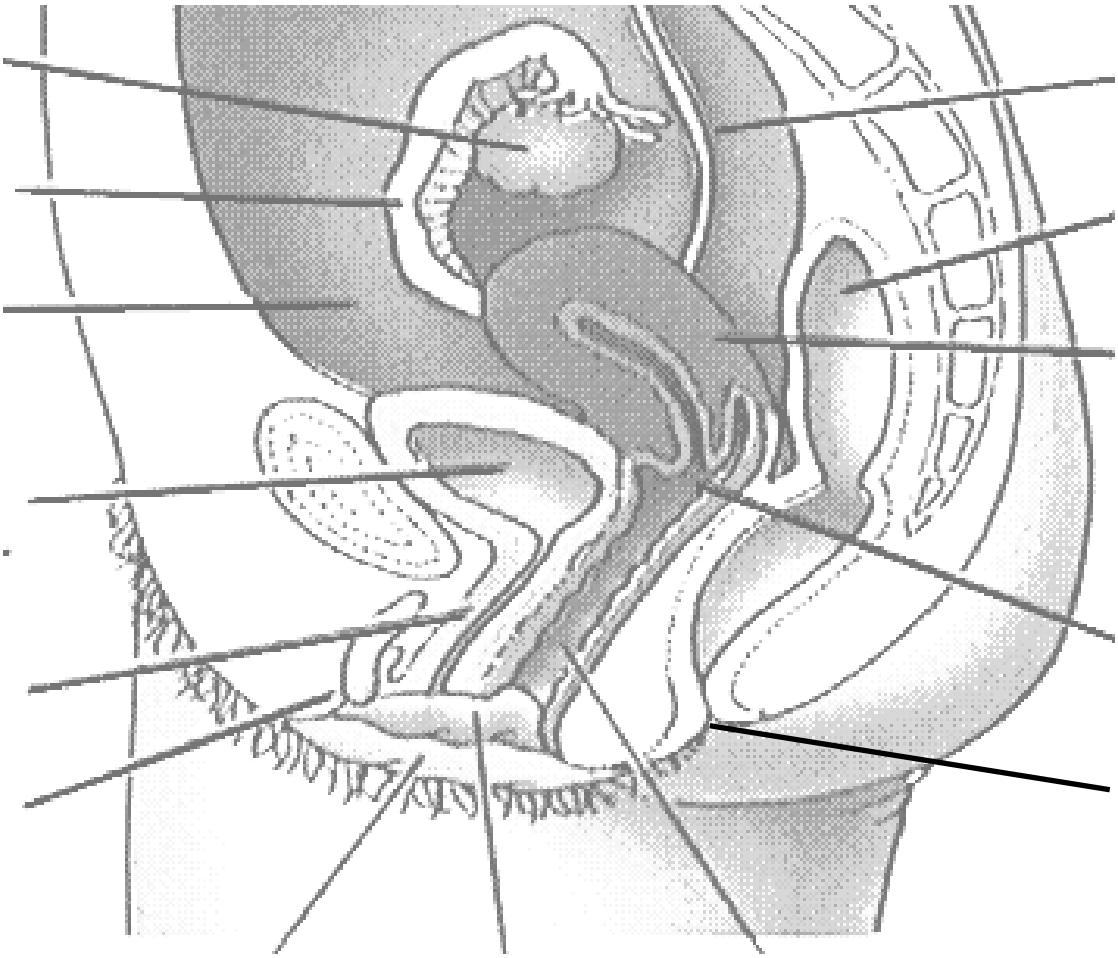
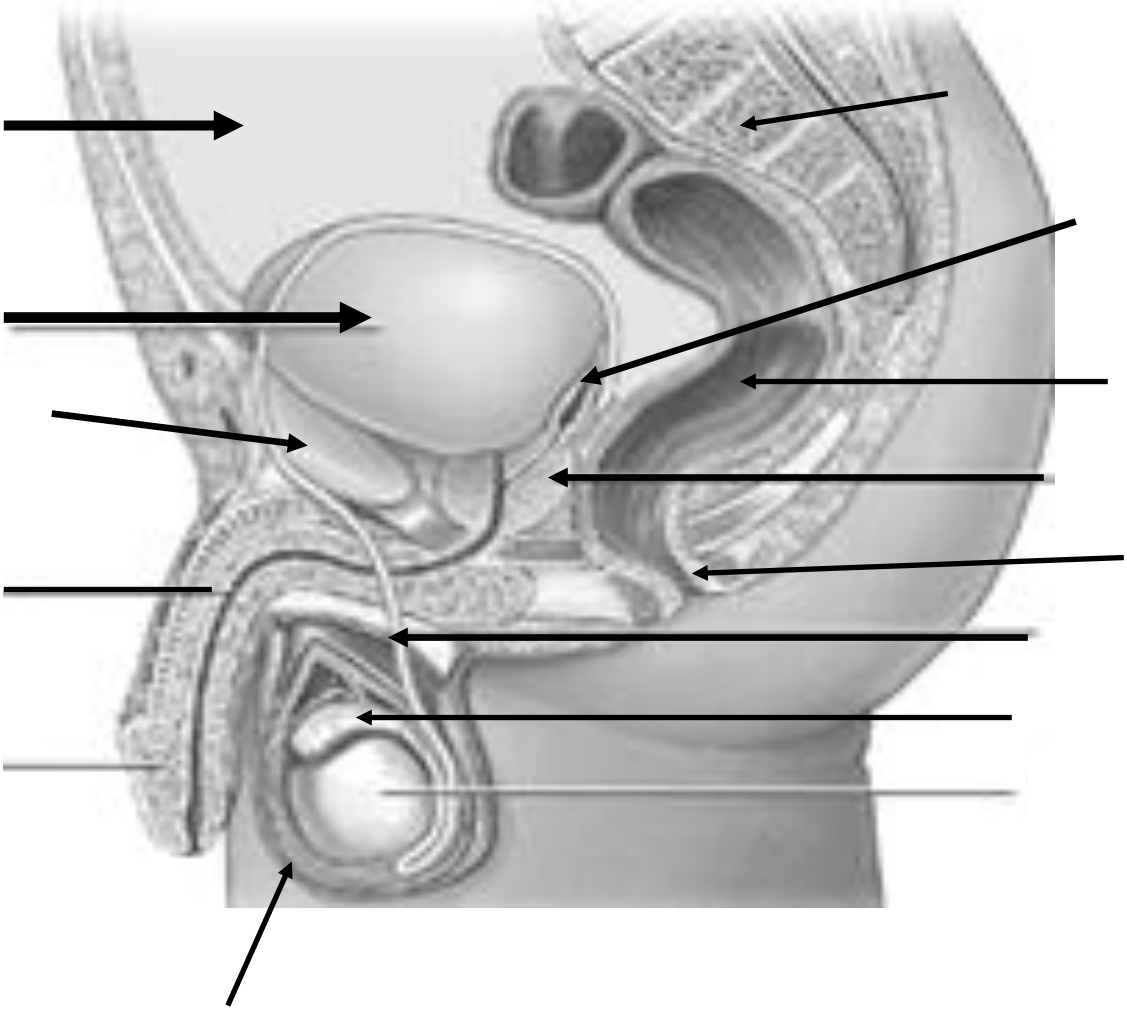
Fill in the following chart

	Follicle Stage	Ovulation Stage	Corpus Luteum Stage	Menstruation Stage
Hormone Produced by Pituitary Gland				
Hormone Produced by Ovary				
What happens to the Uterine Lining				

Label the diagram in the space provided.



Name _____ **Reproduction**

Label the diagram in the space provided.