

Name_____ Date_____

Section 3.1 Reproductive Systems

- 1) What do male and female gonads produce?
- 2) What do hormones do?
- 3) When do most humans first experience the effects of reproductive hormones?
- 4) Define puberty.
- 5) When puberty begins, what does the pituitary gland start to produce?
- 6) Where is the pituitary gland?
- 7) Where does FSH go after it is produced in the brain?
- 8) What does FSH signal the testes to do?
- 9) What does FSH signal the ovaries to do?
- 10) What do other cells in the testes start to produce?
- 11) What does testosterone do?
- 12) What happens when FSH reaches the ovaries?
- 13) How many eggs are usually released each month?

- 14) What does FSH also do?
- 15) What is estrogen responsible for?
- 16) What is the male reproductive system designed to do?
- 17) Where are testes located?
- 18) What is required for the development of healthy sperm?
- 19) Where are sperm cells produced?
- 20) Where are sperm cells stored?
- 21) Where do sperm go after they leave the epididymis?
- 22) Which two glands help sperm move?
- 23) What is the mixture of sperm cells and the thick, milky fluid called?
- 24) What is the fluid produced by the prostate gland and seminal vesicle rich in?
- 25) What is the function of the urethra?
- 26) Draw and label a diagram of a sperm cell.
- 27) How long does the entire production process of sperm take?

- 28) Where is the nucleus located in a sperm cell?
- 29) What is the purpose of the tail-like structure on a sperm cell?
- 30) Based on what you know about cells, which organelles might be found in large amounts of sperm?
- 31) What is the size and shape of a woman's ovaries?
- 32) How often do the ovaries release an egg?
- 33) What is the process called when an ovary releases an egg?
- 34) The _____ ovaries usually _____, or take turns, _____ an egg.
- 35) What might happen to a woman's body temperature near the time of ovulation?
- 36) Where does the fertilized egg develop into a fetus?
- 37) Why is the vagina sometimes referred to as the birth canal?
- 38) Unlike the _____, the female has a _____ urethra through which _____ leaves the body.
- 39) Define menstrual cycle.
- 40) What do the pituitary hormones do?

41) What do the ovarian hormones do?

42) What can very strenuous physical activity affect the menstrual cycle?

43) What is needed to help produce estrogen?

44) What is the name of a doctor that specializes in the human female reproductive system?