

STUDY GUIDE: Human Reproduction

KEY TERMS

FEMALE

estrus cycle	follicle	progesterone
menstruation	parts of the female	menstrual cycle
luteinizing hormone, or LH	reproductive tract	estrous cycle
follicle-stimulating hormone, or FSH	oviduct	follicle phase
GRF(=gonadotropin releasing factors)	uterine tube	LH surge
hypothalamus	uterus	ovulation
anterior pituitary gland	myometrium	corpus luteum
ovary	endometrium	luteal phase
oocyte	cervix	flow phase
	vagina	"hot flash"
	vulva	menopause
	estrogen	

MALE

testis	seminiferous tubules	head
epididymis	basement membrane	acrosome
vas deferens	spermatogonia	nucleus
urethra	spermatocytes	midpiece
Cowper's or bulbourethral gland	primary	tail
prostate gland	secondary	interstitial cells
seminal vesicles	spermatids	testosterone
	sperm	

FERTILIZATION

sperm transport	zygote	chromosomes
seminal fluid(=semen)	polar bodies	

QUESTIONS

1. Outline the production of sperm in the testis and trace the path of sperm from the testis until they leave the body in semen.
2. Using a diagram, describe the sequence of events in the menstrual cycle of a human female. Be sure to specify the successive levels of the hormones involved, and the effect each hormone has on the follicle, the uterine lining, or the production of other hormones.
3. Discuss the role of the hypothalamus in the female reproductive cycle.