









RRECT		Which o	f the following cells are diplo	d?	
		(A)	secondary oocytes		
		○ B)	secondary spermatocytes		
	V	(c)	primary spermatocytes		
		(D)	spermatids		
	Feed	dback: Cor	rect Answer		
RRECT		Final ma	aturation of sperm cells occur	s in the	
	V	(A)	epididymis		
		○ B)	seminiferous tubules		
		(c)	prostate gland.		
		(D)	urethra		
	Feed	dback: Cor	rect Answer		
ORRECT		Seminal	vesicles produce		
		(A)	sperm cells.		
		○ B)	testosterone.		
	~	(e) c)	fructose-rich fluid.		
		(D)	estrogen.		
	Feed	dback: Cor	rect Answer		
NSWERE	D	The nor	mal number of spermatozoa p	oer milliliter	of sem

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pulpourethral gland p) prostate gland Undifferentiated spermatogenic cells are ca Spermatogonia. B) primary spermatocytes. c) secondary spermatocytes. p) spermatids. Feedback: Correct Answer Sperm cells are stored primarily in the A) vas deferens. B) ejaculatory ducts. C) epididymis. seminal vesicles. Feedback: Correct Answer at © The McGraw-Hill Companies, Inc. Permission required for reproduction Baseme

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er for	each ques	stion is indicated by a 🗸.
	The epi	didymis is a and it functions to
	(A)	compartment inside a testis; secrete testosterone and form sperm
	○ _{B)}	stage of spermatogenesis; form two sperm cells and semen
V	● c)	tightly coiled tube on the outside of the testis; store immature sperm as they mature
	(D)	compartment that contains seminiferous tubules; ejaculate sperm and semen out of
Fee	dback: Co	rrect Answer
	The stru	acture of a testis can be described as composed of
	AV	lobules that are filled with seminiferous tubules.

	(D)	clitoris.
	The gly	coprotein layer between the oocyte and the granulosa cells of an ovarian follicle is called t
	(A)	theca interna.
	○ B)	theca externa
	(c)	antrum.
1	● D)	zona pellucida.
eed	lback: Co	rrect Answer
w-Hil	I Companies	, Inc. Permission required for reproduction or display.
	Me	sovarium Blood vessels
3	5	Primordial follicles
can	s A	Oocyte Primary follicles
ım -		Granulosa cells

Zona pellucida

bicans lium —

	(c)	cervix.
	(D)	vagina.
	The cell	commonly called the egg, or ovum, is more correctly called a(n)
	○ A)	primary oocyte.
V	B)	secondary oocyte.
	(c)	oogonium.
	(D)	zygote.
Feed	lback: Cor	rect Answer
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	ordial foll	

	(A)	elevate the testes during sexual arousal and exposure to cold
	○ B)	generate peristaltic waves in the ductus deferens
	(c)	control the release of secretions from the seminal vesicles
	(D)	control the release of sperm cells from the testes into the epididymis
	The form	n (stage) of developing male gamete located nearest to the basement me
	(A)	spermatid
		primary spermatocyte
	● B)	
9	(e) C)	secondary spermatocyte
/	(D)	spermatogonium
reea	58	liest stage.
	Leydig C	cells are located
	(A)	in all the male accessory reproductive organs.
	B)	interspersed among developing sperm cells in seminiferous tubules.
	(c)	lining the epididymis and ductus deferens.
1	@ D)	in spaces between adjacent seminiferous tubules.
Feed	back: Cor	rect Answer
	The imn	nune system does NOT normally attack spermatogenic cells because
	(A (they are recognized as "self" structures.
	(B)	they do not have any antigens on their cell membranes.
1	(e) c)	spermatogenic cells are protected by the blood-testis barrier.
	(D)	the acrosome covers any antigens that would be recognized as foreign.
Feed	back: Cor	rect Answer
	The pro	cess of crossing-over, or recombination, of genes occurs during
		meiosis I.
	○ B)	meiosis II.
	(c)	spermiogenesis

	○ c)	degenerates into the corpus albicans.
	(D)	continues to secrete progesterone until the next ovulation
	Followir	ng ovulation, a human egg cell can survive approximately
		1 hour
	○ A)	1 hour
	○ B)	12 hours
1	(c)	24 hours
	(D)	72 hours
eedback: Correct Answer		
	About th	ne time of ovulation, the anterior pituitary gland releases a

