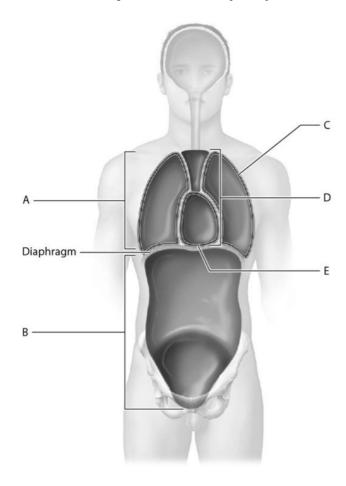
Exam			
Name_			
MULTI	PLE CHOICE. Choose the one alternative that best co	mpletes the statement or answers the question.	
	 A person in the anatomical position is visualized to be A) sitting down. C) laying down on his or her back. Answer: B Diff: 0 Type: MC 	oe: B) standing upright. D) laying down on the stomach.	1)
	 2) In the anatomical position, the palms are on the: A) posterior (dorsal) surface. C) superior (cranial) surface. Answer: D Diff: 0 Type: MC 	B) lateral surface. D) anterior (ventral) surface.	2)
	Write your answer in the space provided or on a separation of the homeostasis and homeostatic imbalance. Answer: Homeostasis is maintenance of the body's inhomeostatic imbalances, can result in diseat Diff: 0 Type: ES	nternal environment. Disturbances in homeostasi	is, known as
	ALSE. Write 'T' if the statement is true and 'F' if the statement		4)
	PLE CHOICE. Choose the one alternative that best co 5) Which organ system includes blood vessels and the h A) endocrine system C) cardiovascular system Answer: C Diff: 0 Type: MC	·	5)
,	 6) In laboratory, you will study the overall structure an microscope. This is a study known as: A) gross anatomy. C) microscopic anatomy. Answer: A Diff: 0 Type: MC 	d shape of the femur bone without the aid of a B) systemic anatomy. D) regional anatomy.	6)

rar cel ev	7) When you go outside on a hot summer day, your body temperature heats up above the normal range. Receptors in your brain detect the change in body temperature. The brain activates nerve cells that send messages to sweat glands, causing the body temperature to fall as the sweat evaporates from the skin. What part of this feedback loop is the effector? A) nerve cells B) brain		
	C) sweat glands	D) increased body temperature	
Ar	nswer: C ff: 0 Type: MC	,	
Ar	hat would a needle travel through as it enters the A) visceral pleura, serous fluid, parietal pleura, ri B) parietal pleura, serous fluid, visceral pleura, ri C) parietal pleura, serous fluid, right lung, viscera D) visceral pericardium, serous fluid, parietal pernswer: B ff: 0 Type: MC	ght lung ght lung Il pleura	8)
ESSAY. Wri	ite your answer in the space provided or on a sep	arate sheet of paper.	
9) Di	scuss why anatomical position is used.		
	nswer: Anatomical position provides accurate consince it prevents experimental and medica reference from which all body parts and reff: 0 Type: ES	errors. Anatomical position also provides a com	
10) Su	ımmarize the principle of complementarity of stru	cture and function.	
	nswer: The principle of complementarity can be so of a structure is always such that it best sufff: 0 Type: ES		rds, the form
MULTIPLE (CHOICE. Choose the one alternative that best co	ompletes the statement or answers the question.	
Ar	hat major organs are housed in the thoracic cavity A) urinary bladder, reproductive organs C) stomach, intestines, liver, pancreas nswer: B ff: 0 Type: MC	? B) lungs, heart, esophagus, trachea D) brain and spinal cord	11)

Match the following with the correct body cavity or subdivision.



12) Identify the thoracic cav	ity.
-------------------------------	------

Answer: A

Diff: 0 Type: SA

12) _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

13) What is a good strategy for class or laboratory preparation?

13) _____

- A) Read and prepare notes before attending your class or laboratory.
- B) Avoid reading before class as you may get confused.
- C) Focus on reading your materials on the weekends when you have hours to spend.
- D) Only read after you have attended class or laboratory.

Answer: A

Diff: 0 Type: MC

14) The vertebral region is superior to the:

14)

A) cervical region.

B) sacral region.

C) occipital region.

D) cephalic region.

Answer: B

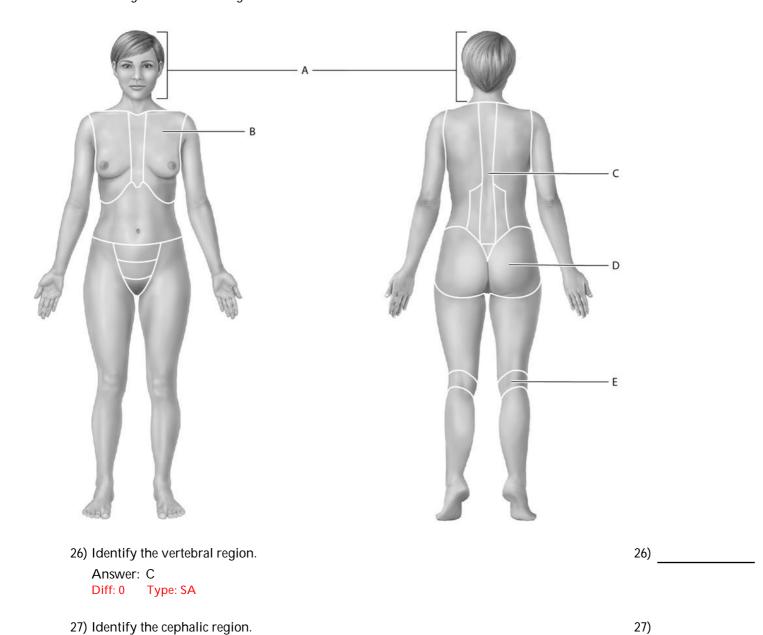
Diff: 0 Type: MC

15)	What results whe	en anabolism occurs more thar	n catabolism in an organism?		15)
	A) movement	B) irritability	C) growth	D) excretion	
	Answer: C Diff: 0 Type: M	IC			
16)	A) umbilical re	•	B) hypogastric regio	n	16)
	C) epigastric ro Answer: A Diff: 0 Type: M		D) right lumbar regio	on	
ESSAY.	Write your answe	r in the space provided or on	a separate sheet of paper.		
17	Describe anatom	ical position.			
		omical position, the body is sta the trunk, and the head and p S		lder width apart, upper	· limbs are at the
MULTIP	LE CHOICE. Cho	ose the one alternative that be	est completes the statement	or answers the questio	n.
18	Jesse felt comfort learning style pre A) visual learn		r listening to directions from B) tactile learner.	his lab professor. His	18)
	C) auditory lea		D) kinesthetic learne	r.	
	Answer: C Diff: 0 Type: M		,		
19)) When we imagin to be facing:	e a person exhibiting the anato	omical position, the palms of	the hands are assumed	19)
	A) forward.	B) down.	C) to the side.	D) backward.	
	Answer: A Diff: 0 Type: M	IC			
20)	What is the small A) tissue level	lest level of structural organiza B) cellular level	ation in the human body? C) organ level	D) chemical level	20)
	Answer: D Diff: 0 Type: M	IC			
21)		fector restore homeostasis in a rincreases and reinforces the i	-		21)
	B) The effectorC) The effector range.	r amplifies the response, but do r opposes the initial stimulus a	oes not continue indefinitely nd shuts off when condition		
		r causes a rapid change in a va	riable.		
	Answer: C Diff: 0 Type: M	IC			

22) The crural region is posterior (dorsal) to the sural region.		
Answer: True False Diff: 0 Type: TF		
MULTIPLE CHOICE. Choose the one alternative that best cor	mpletes the statement or answers the question.	
23) What is deep to the visceral pericardium? A) parietal pericardium C) pericardial covity	B) heart muscle	23)
C) pericardial cavity Answer: B Diff: 0 Type: MC	D) visceral peritoneum	
24) What is NOT one of the four core principles related toA) gradientsC) metabolism	o homeostasis? B) cell-cell communication D) feedback loops	24)
Answer: C Diff: 0 Type: MC		
 25) Which of the following illustrates a gradient? A) equal amounts of something exist in areas that a B) equilibrium or balance between two unconnected C) more of something exists in one area than anoth D) maintenance of a relatively stable internal envir 	ed areas ner and the two areas are connected	25)
Answer: C Diff: 0 Type: MC		

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

Match the following with the correct regional anatomical term.



TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

28) You should wait to read the textbook until you have heard the material presented in lecture or	28)	
laboratory.		

Answer: True False

Diff: 0 Type: TF

Answer: A
Diff: 0 Type: SA

ESSAY. Write your answer in the space provided or on a separate sheet of paper.

29) List the four core principles that relate to homeostasis.

Answer: The four core principles that relate to homeostasis are:

- 1) feedback loops
- 2) the relationship of structure and function
- 3) gradients
- 4) cell-cell communication

Diff: 0 Type: ES

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

30) The thoracic cavity is situated superior to the abdominopelvic cavity and separated by the diaphragm. Therefore, the diaphragm creates a:

30) ____

- A) midsagittal (median) plane.
- B) parasagittal plane.
- C) frontal (coronal) plane.
- D) transverse (horizontal) plane, or cross section.

Answer: D

Diff: 0 Type: MC

ESSAY. Write your answer in the space provided or on a separate sheet of paper.

31) Explain how the popliteal and patellar regions differ.

Answer: The popliteal region refers to the posterior (dorsal) side of the knee while the patellar region refers to the anterior (ventral) side of the knee. We may say that the popliteal region is posterior to the patellar region.

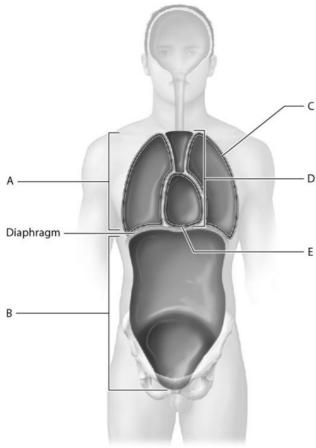
Diff: 0 Type: ES

32) A female patient presents at the emergency room with pain in the right lower quadrant. Which organs might be involved?

Answer: The appendix, the right ovary, the first part of the large intestine, or the last part of the small intestine may be the source of pain in this female patient.

Diff: 0 Type: ES

Match the following with the correct body cavity or subdivision.



33) Identify t	the cavity that ho	uses the heart.		33)	
Answer:	E				
Diff: 0	Type: SA				
MULTIPLE CHOIC	CE. Choose the o	one alternative that b	est completes the statemer	nt or answers the question.	
34) A direction	onal term that me	eans the same as post	erior is:		34)
A) ven		B) dorsal.	C) anterior.	D) sagittal.	, <u> </u>
Answer:	В				
Diff: 0	Type: MC				
TRUE/FALSE. Wri	te 'T' if the state	ment is true and 'F' i	f the statement is false.		
35) The trans	sverse (horizonta	I plane or cross section	n) plane divides the body i	nto anterior and posterior	35)
parts.					
Answer:	True 👂 F	alse			
Diff: 0	Type: TF				

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

36) Why should a student use the SQ3R method?

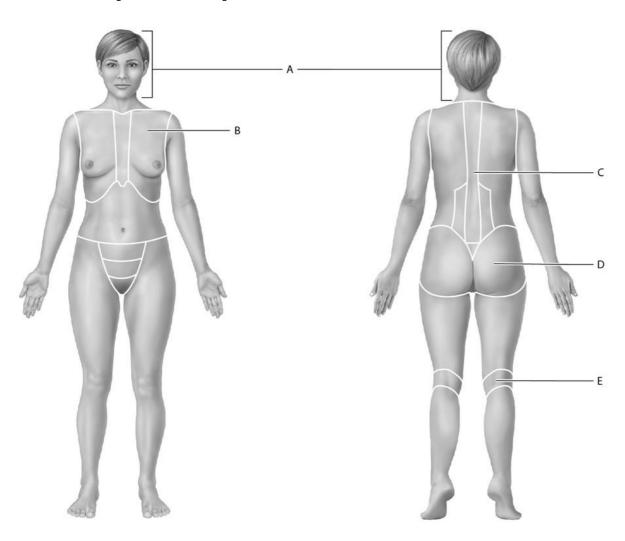
- 36) ____
- A) The SQ3R method provides a plan for a student to improve textbook reading skills.
- B) The SQ3R method provides a student with ways to improve time management skills.
- C) The SQ3R method provides a student with a strategy for improving test taking skills.
- D) The SQ3R method provides a student with a strategy for taking notes during lecture class.

Answer: A

Diff: 0 Type: MC

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Match the following with the correct regional anatomical term.



37)	Identify	the	popliteal	region.
51)	racintin y	tric	popiiteui	region.

7)

Answer: E

Diff: 0 Type: SA

38) Identify the gluteal region.

38) _____

Answer: D

Diff: 0 Type: SA

IVIOLIII	LL CITOI	CL. CHOOSE THE OH	ie arternative that best co	impletes the statement of answ	ers the questio	11.
39)) Select th nose.	e appropriate direc	ctional term to complete th	nis sentence: The mouth is	to the	39)
	A) dis			B) superior (cranial)		
	C) inf	erior (caudal)		D) posterior (dorsal)		
	Answer: Diff: 0	: C Type: MC				
ESSAY. \	Write you	ur answer in the sp	ace provided or on a sepa	arate sheet of paper.		
40)) List the	four quadrants and	nine regions of the abdor	minopelvic cavity.		
		lower quadrant. T hypochondriac re region, hypogastr	he nine regions are the ri	drant, right lower quadrant, lef ght hypochondriac region, epig , umbilical region, left lumbar r guinal) region.	jastric region, le	ft
	Diff: 0	Type: ES				
MULTIP	LE CHOI	CE. Choose the on	ne alternative that best co	mpletes the statement or answ	ers the questio	n.
41)			vely constant internal env			41)
		ector control. meostasis.		B) positive feedback.D) integration.		
	Answer:			D) integration.		
	Diff: 0	Type: MC				
ESSAY. \	Write you	ur answer in the sp	ace provided or on a sepa	arate sheet of paper.		
42)	Howeve	er, Kelly's lab partne	-	students to make a midsagittal nstructor say that a cut along the the specimen.	•	
	Answer:	part into equal lef		n as a median plane of section. Id her lab partner should make		
	Diff: 0	Type: ES				
MULTIPI	LE CHOI	CE. Choose the on	ne alternative that best co	mpletes the statement or answ	vers the questio	n.
43)	example A) cel B) pri C) gra D) fee	e of a core principle II-cell communication inciple of complement adients. edback loops.	known as:	changes in a nearby muscle cell function.	. This is	43)
	Answer:	: A Type: MC				

ESSAY. Write your answer in the space provided or on a separate sheet of paper.

44) Explain how scratching a chaffing label on a shirt is an example of a negative feedback loop.

Answer: An irritation to the skin from a chaffing shirt label is a stimulus detected by a receptor (or sensor). The receptor sends this information to a control center, the brain, where it is determined that the skin irritation is out of normal range. The control center sends signals to effectors that cause physiological responses to return the variable to normal homeostatic range. Scratching, the response, stops the chaffing by moving the label off the skin, and thus removes the stimulus. Diff: 0 Type: ES MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question. 45) ____ 45) The point of the shoulder is also known as the: A) brachial region. B) digital region. C) antebrachial region. D) acromial region. Answer: D Diff: 0 Type: MC 46) ____ 46) What part of a feedback loop causes physiological responses to return the variable to the normal homeostatic range? A) effector B) stimulus C) control center D) receptor (sensor) Answer: A Diff: 0 Type: MC 47) What is a good way to manage time in preparation for your anatomy and physiology class? A) I should stay up all night the night before the test to maximize what is stored in short-term memory. B) I study only on the weekends when I have many hours of free time. C) I make a schedule and budget my time. D) I should delay studying until the day or two before the test to best remember the material. Answer: C Diff: 0 Type: MC 48) What are the two major methods by which cells communicate to coordinate their functions? 48) A) effectors and responses B) temperature gradients and pressure gradients C) positive feedback loops and negative feedback loops D) chemical messengers and/or electrical signals Answer: D Diff: 0 Type: MC 49) What learning modality is engaged when students participate in study groups? A) kinesthetic learner B) tactile learner C) visual learner D) auditory learner Answer: A

Diff: 0 Type: MC

A) po	directional term indicates the front side of thosterior (dorsal) sedial	ne body? B) anterior (ventral) D) superior (cranial)	50)
Answer	r: B Type: MC		
A) re	two organ systems include the pancreas as a espiratory and cardiovascular systems igestive and endocrine systems	a component? B) digestive and urinary systems D) endocrine and lymphatic systems	51)s
Answer Diff: 0	r: C Type: MC		
ESSAY. Write yo	our answer in the space provided or on a sep	parate sheet of paper.	
membra	y is the inflammation of the serous membrar anes may secrete more serous fluid than nor ane function.		
Answer	r: Serous fluid is an extremely thin, slippery This fluid is produced by the cells of the n the lungs move against adjacent structures can impair the lubricating function of the reduce friction. Type: ES	nembrane to lubricate around the organ s. Excess fluid around the lungs puts pr	ns and reduce friction as ressure on the lungs and
53) List and	d describe the components of a feedback loop	p.	
Answer	r: The components of a feedback loop are the effector/response. A stimulus is a regulate cellular structure that picks up informatio cells in the brain or an endocrine organ (g point and determines that it's out of range or organs that cause physiological respons Type: ES	ed variable outside its normal range. A r in and sends it to a control center. The co land). The control center compares the c is. The control center sends signals to effo	receptor (sensor) is a ontrol center is often current value to its set ectors. Effectors are cells
MULTIPLE CHO	ICE. Choose the one alternative that best c	completes the statement or answers the	question.
•	membranes line certain cavities within the:	D) oranial covity	54)
·	entral cavities. ertebral (spinal) cavity.	B) cranial cavity.D) dorsal cavities.	
Answer	r: A Type: MC		
ESSAY. Write yo	our answer in the space provided or on a sep	parate sheet of paper.	
	of using the directional terms superior and irectional terms are used? Define these terms		per and lower limbs,
	r. Instead of using superior and inferior for		Larousod Drovimal

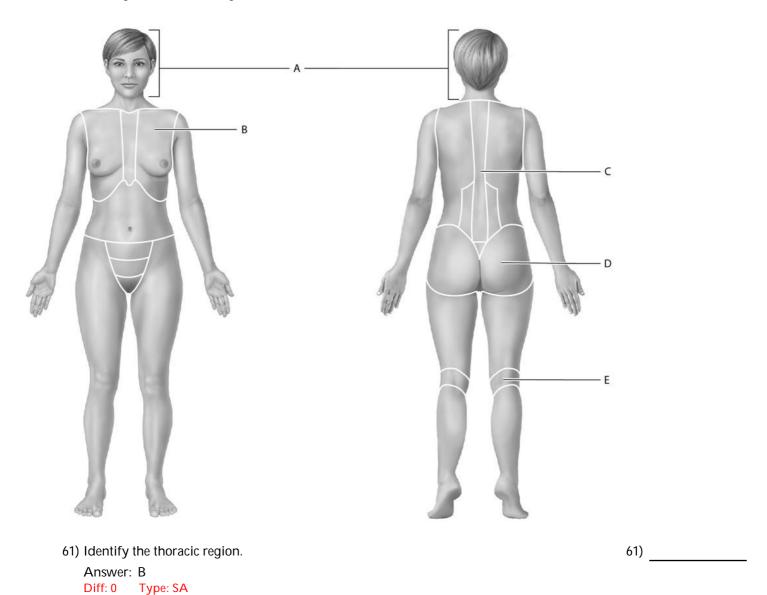
Answer: Instead of using superior and inferior for the limbs, the terms proximal and distal are used. Proximal refers to something being closer to the point of origin (the trunk) while distal refers to something being farther away from the point of origin. Structures nearer the trunk are proximal while structures farther away are distal.

Diff: 0 Type: ES

56)) The end	ocrine system is	responsible for generati	ing heat.		56)
·		•	False	Ü		
MULTIP	LE CHOI	CE. Choose the	one alternative that be	st completes the statement or	answers the question	
57)	٥.	e of feedback tha sponsive.	t increases or enhances B) positive.	the effects of the variable is: C) negative.	D) neutral.	57)
	Answer: Diff: 0	B Type: MC				
ESSAY. \	Write you	ır answer in the	space provided or on a	separate sheet of paper.		
58)				on. A 3 cm incision will be ma r where her surgery will occu	•	l muscle,
	Answer:	000	0 0	or carpal, region of her right h not go as deep into her wrist a		will penetrate
MULTIPI	LE CHOI	CE. Choose the	one alternative that be	st completes the statement or	answers the question	
59)		f the following is gan level	s the most complex stru B) cellular level	ctural level of organization? C) tissue level	D) chemical level	59)
	Answer:	A Type: MC				
60)			his mental region, also		5) 1 1	60)
	A) no: Answer: Diff: 0		B) chin.	C) mouth.	D) cheek.	

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

Match the following with the correct regional anatomical term.



ESSAY. Write your answer in the space provided or on a separate sheet of paper.

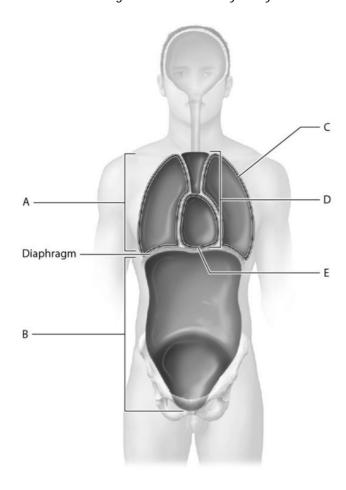
62) Jose is having back surgery. Discuss the specific type of section the surgeon should use to make a cut along his vertebral region.

Answer: The vertebral region is situated along the body's midline. To operate on this region, the surgeon should make a cut along the midsagittal, or medial, plane on Jose's posterior (dorsal) body surface. The midsagittal plane divides the body into equal left and right parts.

Diff: 0 Type: ES

MULTIPL	E CHOICE. Choose the one alternative that best co	mpletes the statement or answers the question.	
63)	When you go outside on a hot summer day, your boo range. Receptors in your brain detect the change in bocells that send messages to sweat glands, causing the evaporates from the skin. What part of this feedback A) nerve cells C) brain	ody temperature. The brain activates nerve body temperature to fall as the sweat	63)
	Answer: B Diff: 0 Type: MC		
64)	The hand is also known as the: A) manual region. C) pedal region. Answer: A	B) plantar region. D) acromial region.	64)
	Diff: 0 Type: MC		
65)	Which regions of the abdominopelvic cavity are situal A) right and left hypochondriac regions, and the elements B) epigastric, umbilical, hypogastric regions C) right and left lumbar regions and the umbilical D) right hypochondriac, right lumbar, and right ili	pigastric region region	65)
	Answer: B Diff: 0 Type: MC		
TRUE/FA	LSE. Write 'T' if the statement is true and 'F' if the s	tatement is false.	
66)	When studying, you should actively read the textbook Answer: True False Diff: Type: TF	k by taking notes and making diagrams.	66)
67)	Serous fluid lubricates around organs and reduces fr structures.	iction as the organ moves against adjacent	67)
	Answer: True False Diff: Type: TF		
MULTIPL	E CHOICE. Choose the one alternative that best co	mpletes the statement or answers the question.	
68)	Body parts that are described as medial are considered. A) toward the front. C) closer to the midline of the body.	ed to be: B) toward the head. D) closer to the point of origin.	68)
	Answer: C Diff: 0 Type: MC		
69)	A person who is standing facing forward with hands A) supine position. C) anatomical position. Answer: C	at the sides, palms facing forward, is in the: B) frontal position. D) sagittal position.	69)
	Diff: 0 Type: MC		

Match the following with the correct body cavity or subdivision.



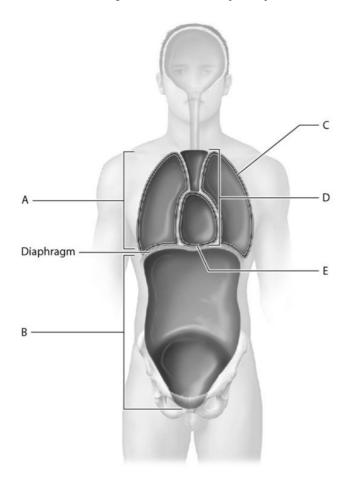
Diff: 0

Type: MC

70) Identify the mediastinum.			70)	
Answer: D				
Diff: 0 Type: SA				
MULTIPLE CHOICE. Choose th	e one alternative that bes	t completes the statement	or answers the questic	on.
71) A plane that divides th	e body into superior and ir	nferior parts is known as a:		71)
A) frontal (coronal) _I	olane.	B) transverse (horizo	ntal, or cross) plane.	
C) sagittal plane.		D) midsagittal (median) plane.		
Answer: B				
Diff: 0 Type: MC				
72) What separates the thoracic cavity from the abdominopelvic cavity?				72)
A) diaphragm	B) pericardium	C) mediastinum	D) pleura	
Answer: A				

A) digest food at B) produce vitar C) return excess	nction of the respiratory synd absorb nutrients into the min D and retain water tissue fluid to the cardioven to the blood and removen	ne blood	73)
Answer: D Diff: 0 Type: MC			
ESSAY. Write your answer i	n the space provided or c	on a separate sheet of paper.	
74) Discuss the role of	effector in both the negati	ve and positive feedback loops.	
condition actually i	s return to the normal ran ncreases–positive feedbac	ector activity opposes the initial stimulus and ge. However, in a positive feedback loop, the k reinforces the initial stimulus using a loop of feedback loop therefore causes a rapid change	effector's activity of increasing output that
Answer: The peric	·	ed in relation to the pericardial membranes. etween the visceral pericardium (attached to t	he heart muscle) and the
MULTIPLE CHOICE. Choos	se the one alternative that	best completes the statement or answers the	e question.
76) What organ(s) is/ar A) heart C) brain and spi Answer: B Diff: 0 Type: MC		B) lungs D) digestive organs	76)
mammary glands p This scenario is bes A) anatomical po B) a negative fee C) a positive fee	oroduce milk. Suckling, the st described as: osition. edback loop. dback loop. omplementarity of structu	he baby suckles his mother's breast, the mothe stimulus, increases milk production, the resure and function.	

Match the following with the correct body cavity or subdivision.



78) Identify the cavity where the left lung is housed.

Answer: C

Diff: 0 Type: SA

ESSAY. Write your answer in the space provided or on a separate sheet of paper.

79) Explain how gross anatomy and microscopic anatomy differ.

Answer: The field of gross anatomy examines structures, including organs and organ systems that can be seen with the unaided eye. The field of microscopic anatomy examines structures that require a microscope to be seen.

Diff: 0 Type: ES

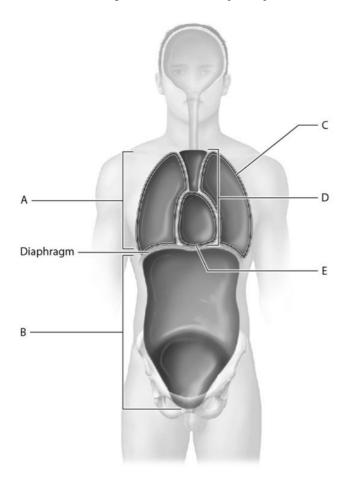
TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

80) The smallest level of organization in the human body is the cellular level.

Answer: True False

Diff: 0 Type: TF

Match the following with the correct body cavity or subdivision.



81)	Identify	the abd	ominopely	vic cavity.
-----	----------	---------	-----------	-------------

Answer: B

Diff: 0 Type: SA

81) _____

82) _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 82) Which organ system supports the body and protects internal organs?
 - A) endocrine system
- C) skeletal system

- B) muscular system
- D) digestive system

Answer: C

Diff: 0 Type: MC

83) What does the SQ3R method stand for?

83)

- A) share, quiz, query, question, and read
- B) survey, question, read, recite, and review
- C) sort, query, read, recite, and review
- D) search, quiet, research, read, and remember

Answer: B

Diff: 0 Type: MC

84) Dr. Mitchell performs open heart surgery. The incision he makes through the sternal region of his patient divides the thoracic cavity into equal left and right parts. This incision must be made along a:

84) ____

A) midsagittal (median) plane.

B) frontal (coronal) plane.

C) transverse (horizontal) plane.

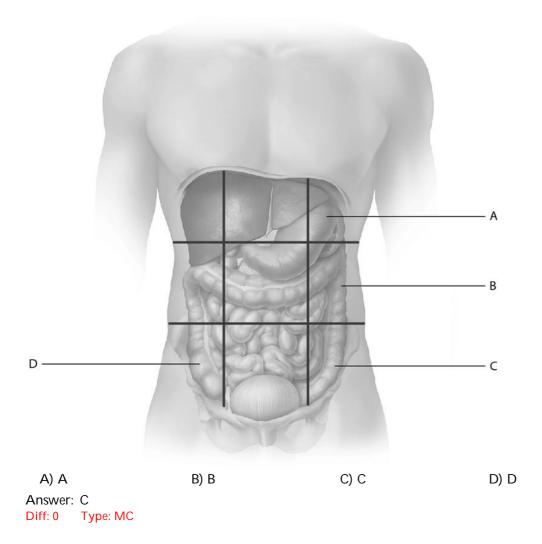
D) sagittal plane.

Answer: A

Diff: 0 Type: MC

85) Select the letter that represents the left iliac (inguinal) region.





ESSAY. Write your answer in the space provided or on a separate sheet of paper.

86) Gillian prefers to study alone. She mostly draws diagrams from the textbook or makes charts and tables to organize her thoughts as she reads. Determine and discuss her learning style.

Answer: Gillian prefers a visual/nonverbal learning style. A visual/nonverbal learner usually best understands concepts through the use of diagrams, illustrations, and other visual media without text.

Visual/nonverbal learners may experience more success in studying alone than in study groups.

Diff: 0 Type: ES

MULTIPI	LE CHOI	CE. Choose th	e one alternative that be	st completes the stateme	ent or answers the question	1.
87)	function	?	best summarizes the printernal environm	nciple of complementarit ent	y of structure and	87)
	C) for	nction follows s m follows fund ucture drives fo	tion			
	Answer: Diff: 0	C Type: MC				
88)	A cell or termed a		oonds to the directions of	f the control center in a ne	egative feedback loop is	88)
	A) reg Answer: Diff: 0	julator. D Type: MC	B) stimulus.	C) receptor.	D) effector.	
89)			an environment with vis eference for a modality ki	ual stimulation, such as l	ooking at diagrams or	89)
		esthetic.	B) auditory.	C) tactile.	D) visual.	
	Diff: 0	Type: MC				
90)	A) tho		ivities of the dorsal body ominopelvic cavities elvic cavities	•	tebral (spinal) cavities ricardial cavities	90)
	Answer: Diff: 0	B Type: MC				
91)		_	is the correct sequence, f of the human body?	rom simplest to most con	nplex, in the levels of	91)
	A) che B) cel C) cel D) che	emical level, tis lular level, che lular level, tissi emical level, ce	sue level, cellular level, c mical level, tissue level, c ue level, chemical level, c	organ system level, organ organ level, organ system organ level, organ system organ level, organ system	level, organismal level level, organismal level	
	Answer: Diff: 0	Type: MC				
92)	A) Wr B) Red C) Red	rite down the a cite the Learnir ad through the	nswers to the Learning C ng Outcomes until you ha	ave them memorized. r you have completed a s	-	92)
	Answer: Diff: 0	A Type: MC				

93) What	smaller cavity within the thoracic cavity hou	uses the heart, great blood vessels, esophagus,	93)
	rachea?		
	abdominal cavity	B) diaphragm	
C) I	peritoneal cavity	D) mediastinum	
Answ			
Diff: 0	Type: MC		
•	•	book for class than from listening to lecture. She is	94)
	likely a(n): kinesthetic learner.	P) auditory learner	
•	visual learner.	B) auditory learner.D) tactile learner.	
•		D) tactile learner.	
Answ Diff: 0			
ESSAY. Write y	your answer in the space provided or on a s	separate sheet of paper.	
95) Define	e metabolism.		
Answ	includes both "building" processes in wh	chemical processes carried out by living organisms nich smaller chemicals are combined to form larger ger chemicals are broken down into smaller ones.	
Diff: 0		•	
MULTIPLE CH	OICE. Choose the one alternative that best	t completes the statement or answers the question	۱.
96) Select to the		te this sentence: The skeletal muscles are	96)
A) :	superficial	B) deep	
	posterior	D) inferior (caudal)	
Answ Diff: 0			
	pressure in arteries is higher than the blood illaries due to the presence of a:	d pressure in capillaries. Blood flows from arteries	97)
-	positive feedback loop.	B) homeostatic imbalance.	
-	pressure gradient.	D) negative feedback loop.	
Answ	·	, .9	
Diff: 0			
ESSAY. Write y	your answer in the space provided or on a s	separate sheet of paper.	
98) Descri	ibe the SQ3R method for reading a textbook		
	chapter by skimming the material and fi you can answer as you read. Actively rea material by speaking aloud. The final ste questions in the book, write summaries,	estions, read, recite, and review. First, you should sigures. Next, form questions about the content in the ad by taking notes and drawing diagrams. As you see is to review what you have read. You may choose or discuss topics aloud with study partners.	he chapter that read, recite the
Diff: 0	Type: ES		

99)	99) Negative feedback loops produce responses in the opposite direction of the initial stimulus while positive feedback loops produce responses in the same direction of the initial stimulus.				99)	
	Answer: ○ True Diff: 0 Type: TF	False				
MULTIPI	LE CHOICE. Choose th	e one alternative that best	completes the statement o	r answers the question.		
100) In laboratory, you will study tissues. This area of study is known as:				100)		
	A) physiology.	B) histology.	C) gross anatomy.	D) cytology.		
	Answer: B Diff: 0 Type: MC					
TRUE/FA	ALSE. Write 'T' if the sta	atement is true and 'F' if th	ne statement is false.			
101)) Patients are always exa	mined while they are stan	ding in the anatomical posit	ion.	101)	
	Answer: True Diff: 0 Type: TF	False				

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

15) C

Diff: 0

Topic:

Page Ref:

```
1) B
   Diff: 0
             Page Ref:
   Topic:
 2) D
   Diff: 0
             Page Ref:
   Topic:
 3) Homeostasis is maintenance of the body's internal environment. Disturbances in homeostasis, known as homeostatic
   imbalances, can result in disease or death if uncorrected.
             Page Ref:
   Diff: 0
   Topic:
 4) FALSE
   Diff: 0
             Page Ref:
   Topic:
 5) C
   Diff: 0
             Page Ref:
   Topic:
 6) A
   Diff: 0
             Page Ref:
   Topic:
 7) C
   Diff: 0
             Page Ref:
   Topic:
 8) B
   Diff: 0
             Page Ref:
   Topic:
 9) Anatomical position provides accurate communication among scientists and health care professionals since it prevents
   experimental and medical errors. Anatomical position also provides a common frame of reference from which all body
   parts and regions are described.
   Diff: 0
             Page Ref:
   Topic:
10) The principle of complementarity can be summarized as form follows function. In other words, the form of a structure
   is always such that it best suits its function.
   Diff: 0
             Page Ref:
   Topic:
11) B
   Diff: 0
             Page Ref:
   Topic:
12) A
   Diff: 0
             Page Ref:
   Topic:
13) A
   Diff: 0
             Page Ref:
   Topic:
14) B
   Diff: 0
             Page Ref:
   Topic:
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16) A
    Diff: 0
              Page Ref:
    Topic:
17) In anatomical position, the body is standing upright, feet are shoulder width apart, upper limbs are at the sides of the
   trunk, and the head and palms are facing forward.
             Page Ref:
    Diff: 0
   Topic:
18) C
   Diff: 0
              Page Ref:
   Topic:
19) A
   Diff: 0
              Page Ref:
   Topic:
20) D
    Diff: 0
              Page Ref:
   Topic:
21) C
    Diff: 0
              Page Ref:
   Topic:
22) FALSE
   Diff: 0
              Page Ref:
    Topic:
23) B
    Diff: 0
              Page Ref:
   Topic:
24) C
   Diff: 0
              Page Ref:
    Topic:
25) C
    Diff: 0
              Page Ref:
   Topic:
26) C
    Diff: 0
              Page Ref:
    Topic:
27) A
    Diff: 0
              Page Ref:
    Topic:
28) FALSE
    Diff: 0
              Page Ref:
    Topic:
29) The four core principles that relate to homeostasis are:
    1) feedback loops
   2) the relationship of structure and function
   3) gradients
   4) cell-cell communication
              Page Ref:
   Diff: 0
    Topic:
30) D
    Diff: 0
             Page Ref:
    Topic:
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43) A

Diff: 0

Topic:

Page Ref:

31) The popliteal region refers to the posterior (dorsal) side of the knee while the patellar region refers to the anterior (ventral) side of the knee. We may say that the popliteal region is posterior to the patellar region. Diff: 0 Page Ref: Topic: 32) The appendix, the right ovary, the first part of the large intestine, or the last part of the small intestine may be the source of pain in this female patient. Diff: 0 Page Ref: Topic: 33) E Diff: 0 Page Ref: Topic: 34) B Page Ref: Diff: 0 Topic: 35) FALSE Diff: 0 Page Ref: Topic: 36) A Diff: 0 Page Ref: Topic: 37) E Diff: 0 Page Ref: Topic: 38) D Diff: 0 Page Ref: Topic: 39) C Diff: 0 Page Ref: Topic: 40) The four quadrants are the right upper quadrant, right lower quadrant, left upper quadrant, and left lower quadrant. The nine regions are the right hypochondriac region, epigastric region, left hypochondriac region, right lumbar region, umbilical region, left lumbar region, right iliac (inquinal) region, hypogastric region, and left iliac (inquinal) region. Diff: 0 Page Ref: Topic: 41) C Diff: 0 Page Ref: Topic: 42) A midsagittal plane of section is also known as a median plane of section. Both divide the body or body part into equal left and right parts. Kelly and her lab partner should make a cut so that their specimen is divided into equal left and right parts. Diff: 0 Page Ref: Topic:

44) An irritation to the skin from a chaffing shirt label is a stimulus detected by a receptor (or sensor). The receptor sends this information to a control center, the brain, where it is determined that the skin irritation is out of normal range. The control center sends signals to effectors that cause physiological responses to return the variable to normal homeostatic range. Scratching, the response, stops the chaffing by moving the label off the skin, and thus removes the stimulus.

Diff: 0 Page Ref: Topic:

τορι

45) D

Diff: 0 Page Ref:

Topic:

46) A

Diff: 0 Page Ref:

Topic:

47) C

Diff: 0 Page Ref:

Topic:

48) D

Diff: 0 Page Ref:

Topic:

49) A

Diff: 0 Page Ref:

Topic:

50) B

Diff: 0 Page Ref:

Topic:

51) C

Diff: 0 Page Ref:

Topic:

52) Serous fluid is an extremely thin, slippery, watery layer situated between the visceral and parietal pleura. This fluid is produced by the cells of the membrane to lubricate around the organs and reduce friction as the lungs move against adjacent structures. Excess fluid around the lungs puts pressure on the lungs and can impair the lubricating function of the serous membranes, making it harder for these membranes to reduce friction.

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Diff: 0 Page Ref: Topic:
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53) The components of a feedback loop are the stimulus, receptor (sensor), control center, and effector/response. A stimulus is a regulated variable outside its normal range. A receptor (sensor) is a cellular structure that picks up information and sends it to a control center. The control center is often cells in the brain or an endocrine organ (gland). The control center compares the current value to its set point and determines that it's out of range. The control center sends signals to effectors. Effectors are cells or organs that cause physiological responses that return the variable to the normal homeostatic range.

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Diff: 0 Page Ref: Topic:
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54) A

Diff: 0 Page Ref:

Topic:

55) Instead of using superior and inferior for the limbs, the terms proximal and distal are used. Proximal refers to something being closer to the point of origin (the trunk) while distal refers to something being farther away from the point of origin. Structures nearer the trunk are proximal while structures farther away are distal.

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Diff: 0 Page Ref:
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Topic:

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56) TRUE
    Diff: 0
              Page Ref:
    Topic:
57) B
    Diff: 0
              Page Ref:
    Topic:
58) Peggy will have surgery on the wrist, or carpal, region of her right hand. The 3 cm incision will penetrate through the
   skin and muscle, but will not go as deep into her wrist as the bone.
             Page Ref:
    Topic:
59) A
    Diff: 0
              Page Ref:
    Topic:
60) B
    Diff: 0
              Page Ref:
    Topic:
61) B
    Diff: 0
              Page Ref:
    Topic:
62) The vertebral region is situated along the body's midline. To operate on this region, the surgeon should make a cut
    along the midsagittal, or medial, plane on Jose's posterior (dorsal) body surface. The midsagittal plane divides the
   body into equal left and right parts.
    Diff: 0
              Page Ref:
    Topic:
63) B
              Page Ref:
   Diff: 0
    Topic:
64) A
    Diff: 0
              Page Ref:
    Topic:
65) B
    Diff: 0
              Page Ref:
    Topic:
66) TRUE
    Diff: 0
             Page Ref:
    Topic:
67) TRUE
              Page Ref:
    Diff: 0
    Topic:
68) C
    Diff: 0
              Page Ref:
   Topic:
69) C
    Diff: 0
              Page Ref:
   Topic:
70) D
    Diff: 0
              Page Ref:
    Topic:
```

Diff: 0

Topic:

Page Ref:

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71) B
   Diff: 0
             Page Ref:
   Topic:
72) A
   Diff: 0
             Page Ref:
   Topic:
73) D
   Diff: 0
             Page Ref:
   Topic:
74) In a negative feedback loop, the effector activity opposes the initial stimulus and shuts off when conditions return to
   the normal range. However, in a positive feedback loop, the effector's activity actually increases-positive feedback
   reinforces the initial stimulus using a loop of increasing output that amplifies the response. A positive feedback loop
   therefore causes a rapid change in a variable.
             Page Ref:
   Diff: 0
   Topic:
75) The pericardial cavity is situated between the visceral pericardium (attached to the heart muscle) and the outer parietal
   pericardium.
   Diff: 0
             Page Ref:
   Topic:
76) B
   Diff: 0
             Page Ref:
   Topic:
77) C
   Diff: 0
             Page Ref:
   Topic:
78) C
   Diff: 0
             Page Ref:
   Topic:
79) The field of gross anatomy examines structures, including organs and organ systems that can be seen with the unaided
   eye. The field of microscopic anatomy examines structures that require a microscope to be seen.
   Diff: 0
             Page Ref:
   Topic:
80) FALSE
   Diff: 0
             Page Ref:
   Topic:
81) B
   Diff: 0
             Page Ref:
   Topic:
82) C
   Diff: 0
             Page Ref:
   Topic:
83) B
   Diff: 0
             Page Ref:
   Topic:
84) A
   Diff: 0
             Page Ref:
   Topic:
85) C
```

86) Gillian prefers a visual/nonverbal learning style. A visual/nonverbal learner usually best understands concepts through the use of diagrams, illustrations, and other visual media without text. Visual/nonverbal learners may experience more success in studying alone than in study groups.

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Diff: 0
              Page Ref:
    Topic:
87) C
    Diff: 0
              Page Ref:
    Topic:
88) D
    Diff: 0
              Page Ref:
    Topic:
89) D
    Diff: 0
              Page Ref:
    Topic:
90) B
    Diff: 0
              Page Ref:
    Topic:
91) D
    Diff: 0
              Page Ref:
    Topic:
92) A
    Diff: 0
              Page Ref:
    Topic:
93) D
    Diff: 0
              Page Ref:
    Topic:
94) C
    Diff: 0
              Page Ref:
    Topic:
```

95) Metabolism includes the wide range of chemical processes carried out by living organisms. Metabolism includes both "building" processes in which smaller chemicals are combined to form larger ones, and "breaking down" processes in which larger chemicals are broken down into smaller ones.

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Diff: 0 Page Ref:
Topic:

96) A
Diff: 0 Page Ref:
Topic:

97) C
Diff: 0 Page Ref:
Topic:
```

98) The SQ3R method stands for survey, questions, read, recite, and review. First, you should survey the chapter by skimming the material and figures. Next, form questions about the content in the chapter that you can answer as you read. Actively read by taking notes and drawing diagrams. As you read, recite the material by speaking aloud. The final step is to review what you have read. You may choose to answer questions in the book, write summaries, or discuss topics aloud with study partners.

```
Diff: 0 Page Ref:
Topic:
99) TRUE
Diff: 0 Page Ref:
Topic:
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100) B
Diff: 0 Page Ref:
Topic:

101) FALSE
Diff: 0 Page Ref:
Topic: