Chapter 01: Organization of the Body

Patton: Anatomy and Physiology, 10th Edition

MULTIPLE C	HOICE
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1.	b. Investigating hum	nvestigate parameters such as heart ra an structure via dissections and other ual manner in which an organism resp				
	ANS: B D TOP: Anatomy and Ph	IF: Memorization ysiology	REF: p. 3			
2.	b. anatomical investic. anatomical investigroups of organs h	term that refers to: estigation at a microscopic level. gation that begins in the head and necessation that uses an approach of studying a common function. gation at the molecular level.				
	ANS: C D TOP: Anatomy and Ph	IF: Memorization ysiology	REF: p. 4			
3.	Physiology can be suba. type of organism b. organizational level. systemic function d. All of the above as		ed.			
	ANS: D D TOP: Physiology	IF: Memorization	REF: p. 4			
4.	b. investigates the boc. is concerned with such as cells and s	organisms and does not deal with diff	ferent levels of organization			
	ANS: D D TOP: Physiology	IF: Memorization	REF: p. 4			
5.	One of the basic prince terms that are based on a. homonyms b. antonyms c. eponyms d. synonyms	iples of the standardized terminology n a person's name.	is the avoidance of, or			
	ANS: C D	IF: Memorization	REF: p. 5			

TOP: Language of Science and Medicine 6. *Metabolism* refers to: a. the chemical basis of life. b. the sum of all the physical and chemical reactions occurring in the body. c. an organization of similar cells specialized to perform a certain function. d. a subdivision of physiology. ANS: B DIF: Application REF: p. 5 TOP: Characteristics of Life 7. From smallest to largest, the levels of organization of the body are: a. organism, chemical, tissue, cellular, organ, system, organelle. b. chemical, microscopic, cellular, tissue, organ, system, organism. c. organism, system, organ, tissue, cellular, organelle, chemical. d. chemical, organelle, cellular, tissue, organ, system, organism. DIF: Memorization ANS: D REF: p. 6 TOP: Levels of Organization 8. The smallest living units of structure and function in the body are: a. molecules. b. cells. c. organelles. d. atoms. ANS: B DIF: Memorization REF: p. 7 TOP: Levels of Organization 9. An organization of many similar cells that are specialized to perform a certain function is called a(n): a. tissue. b. organism. c. system. d. organ. ANS: A DIF: Memorization REF: p. 7 TOP: Tissue Level 10. An organ is one organizational level lower than a(n): a. system. b. cell. c. organelle. d. tissue. DIF: Memorization ANS: A REF: p. 7 TOP: Organ Level 11. The reproductive system includes all of the following except the:

a. testes.b. ovaries.c. ureter.d. penis.

	ANS: C TOP: Body Systems		Memorization	REF:	p. 8
12.	The lungs are locate a. thoracic cavity. b. mediastinum. c. abdominal cavit d. cranial cavity.		ne:		
	ANS: A TOP: Body Cavities		Memorization	REF:	p. 12
13.	The mediastinum coa. trachea. b. venae cavae. c. right lung. d. esophagus.	ontains	s all of the following except the:		
	ANS: C TOP: Body Cavities		Memorization	REF:	p. 12
14.	The gallbladder lies a. abdominal cavitb. pelvic cavity.c. dorsal cavity.d. mediastinum.		:		
	ANS: A TOP: Body Cavities		Memorization	REF:	p. 13
15.	The number of abdo a. three. b. five. c. seven. d. nine.	ominal	regions is:		
	ANS: D TOP: Abdominopely		Memorization gions	REF:	p. 14
16.	The abdominal regia. hypogastric. b. epigastric. c. right lumbar. d. left iliac.	on in v	which the urinary bladder is found	is the:	
	ANS: A TOP: Abdominopely		Memorization gions	REF:	p. 15
17.	A surgeon removing a. right lumbar b. right hypochono c. hypogastric d. umbilical		lbladder should know to find it in	the	region.

	ANS: B DIF: Memorization TOP: Abdominopelvic Regions	REF: p. 14
18.	The abdominal region in which the appendix is found is the a. hypogastric. b. right iliac. c. right lumbar. d. right hypochondriac. ANS: A DIF: Memorization	REF: p. 15
	TOP: Abdominopelvic Regions	KEF. p. 13
19.	Popliteal refers to the: a. calf. b. ankle. c. cheek. d. area behind the knee.	
	ANS: D DIF: Memorization TOP: Latin-based Descriptive Terms for Body Regions	REF: p. 16
20.	A plane through the body that divides the body into right an a. sagittal.b. frontal.c. coronal.d. transverse.	nd left sides is called:
	ANS: A DIF: Memorization TOP: Body Planes and Sections	REF: p. 16
21.	 The abdominal quadrants are located with what structure as a. Umbilicus b. Pubic bone c. Xiphoid process d. Iliac crest 	their midpoint?
	ANS: A DIF: Memorization TOP: Abdominopelvic Quadrants	REF: p. 13
22.	Humans have similar right and left sides of the body, at least of: a. anatomical position. b. anterior symmetry. c. ipsilateral position. d. bilateral symmetry.	st superficially. This is an example
	ANS: D DIF: Memorization TOP: Anatomical Position	REF: p. 8
23.	Two major cavities of the human body are: a. ventral/dorsal.b. inferior/superior.	

	c. visceral/parietal.d. axial/appendicular.		
	ANS: A DI TOP: Body Cavities	F: Memorization	REF: p. 9
24.	The dorsal cavity conta. a. brain. b. spinal column. c. spinal cord. d. thyroid gland.	ains all of the following except the:	
	ANS: D DI TOP: Body Cavities	F: Memorization	REF: p. 12
25.	A plane through the boa. sagittal. b. median. c. coronal. d. transverse.	dy that divides the body into anterior	and posterior portions is:
	ANS: C DI TOP: Body Planes and	F: Memorization Sections	REF: p. 10
26.	The plane that divides a. sagittalb. frontalc. transversed. superficial	the body into upper and lower parts is	s the plane.
	ANS: C DI TOP: Body Planes and	F: Memorization Sections	REF: p. 11
27.	A somatotype charactea. endomorph.b. mesomorph.c. ectomorph.d. None of the above	rized by having a muscular physique is correct.	is called a(n):
	ANS: B DI TOP: Body Type and D	F: Application REF: p. 17, Connectisease	t It
28.	A somatotype characte a. ectomorph. b. mesomorph. c. endomorph.	rized by a thin, fragile physique is a(r	n):
	ANS: A DI TOP: Body Type and D	F: Memorization isease	REF: p. 17, Connect It
29.	The abdominopelvic c. a. kidneys. b. gallbladder.	avity contains all of the following exc	ept the:

	c. right lung.d. urinary bladder.		
	ANS: C DIF:	Memorization	REF: p. 13
30.	Which of the following is a. Digestion b. Balance c. Conductivity d. Circulation e. Reproduction	s not one of the characteristics of l	ife?
	ANS: B DIF: TOP: Characteristics of L	Memorization ife	REF: p. 5
31.	An idea that is supported a. fact. b. theory. c. concept. d. hypothesis.	l by repeated experiments and obse	ervation is called a:
	ANS: B DIF: TOP: Science and Society	Memorization 7	REF: p. 3
32.	b. electrons orbiting nu	ns arranged in concentric shells.	
	ANS: A DIF: TOP: Chemical Level: Ba	Memorization asis for Life	REF: p. 6
33.	Mitochondria, Golgi app a. molecules. b. cytoplasm. c. organelles. d. plasma membranes.	aratus, and endoplasmic reticulum	are examples of:
	ANS: C DIF: TOP: Levels of Organizat		REF: p. 7
34.	When many similar cellsa. tissue.b. organelle.c. organ system completd. organism.	s specialize to perform a certain fur	nction, it is referred to as a(n):
	ANS: A DIF: TOP: Tissue Level	Memorization	REF: p. 7
35.	Several kinds of tissues	working together are termed a(n):	

	a. plasma membrane.b. organ.c. organism.d. organ system.	
	ANS: B DIF: Memorization TOP: Organ Level	REF: p. 7
36.	Blood production is a function of which system? a. Reproductive b. Respiratory c. Skeletal d. Lymphatic	
	ANS: C DIF: Memorization TOP: System Level	REF: p. 7
37.	The dorsal cavity contains the: a. brain and spinal cord.b. heart and lungs.c. reproductive organs.d. digestive organs.	
	ANS: A DIF: Memorization TOP: Body Cavities	REF: p. 12
38.	The ventral cavity contains the: a. thoracic and abdominopelvic cavities. b. heart and lungs only. c. digestive and reproductive organs. d. brain and spinal cord.	
	ANS: A DIF: Memorization TOP: Body Cavities	REF: p. 12
39.	The axial portion of the body consists of the: a. arms, neck, and legs. b. neck, torso, and arms. c. torso, arms, legs, and head. d. head, neck, and torso.	
	ANS: D DIF: Memorization TOP: Body Regions	REF: p. 15
40.	The abdominopelvic cavity contains all of the following exca. a. stomach. b. pancreas. c. heart. d. reproductive organs.	cept the:
	ANS: C DIF: Memorization TOP: Body Cavities	REF: p. 13

41.	Visceral peritoneum would cover which of the following org a. Heart b. Intestines c. Lungs d. Spinal cord	ans?	
	ANS: B DIF: Memorization TOP: Body Cavities	REF:	p. 13
42.	A sagittal section divides the body into portions. a. upper and lower b. right and left c. front and back d. proximal and distal		
	ANS: B DIF: Memorization TOP: Body Planes and Sections	REF:	p. 10
43.	A frontal section divides the body into portions. a. upper and lower b. right and left c. front and back d. cortex and medullary		
	ANS: C DIF: Memorization TOP: Body Planes and Sections	REF:	p. 10
44.	 Axilla is a term referring to which body region? a. Anterior elbow b. Armpit c. Posterior knee d. Groin 		
	ANS: B DIF: Memorization TOP: Latin-based Descriptive Terms for Body Regions	REF:	p. 15
45.	The tissue is not a major tissue of the body. a. cutaneous b. epithelial c. connective d. nervous		
	ANS: A DIF: Memorization TOP: Tissue Level	REF:	p. 7
46.	"Apple-shaped" and "pear-shaped" usually describe subtype a. Mesomorph b. Ectomorph c. Endomorph d. Polymorph	s of w	nat major body type?
	ANS: C DIF: Memorization TOP: Body Type and Disease	REF:	p. 17, Connect It

47.	An organ is one organ is one organ is one organ. b. cell. c. organelle. d. tissue.	ganizat	ional level higher than a(n):		
	ANS: D TOP: Organ Level	DIF:	Memorization	REF:	p. 7
48.	a. Head pointing fb. Body standingc. Arms extended	forward erect from t	pes not describe anatomical position the shoulders, palms up the body in the anatomical position		
	ANS: C TOP: Anatomical P		Memorization	REF:	p. 9
49.		the he arms a the cel	1	the fol	lowing?
	ANS: C TOP: Anatomy	DIF:	Memorization	REF:	p. 4
50.	The parietal pleura a. lungs. b. heart. c. walls of the tho d. Both A and B a	racic c	avity.		
	ANS: C TOP: Body Cavities		Memorization	REF:	p. 13
51.	The hollow part of a. cortical part b. lumen c. medullary part d. apical part	an org	an or body structure is called the _	0	f the organ.
	ANS: B TOP: Terms Related		Memorization gans	REF:	p. 9
52.	The narrowest part a. cortical part b. lumen c. medullary part d. apical part	of an o	organ or body structure is called th	e	of the organ.
	ANS: D	DIF:	Memorization	REF:	p. 10

TOP: Terms Related to Organs

53. Which of the following is not a directional term of the body?

- a. Apical
- b. Proximal
- c. Superficial
- d. Deep

ANS: D DIF: Memorization

REF: p. 9

TOP: Terms Related to Organs

54. What is the anatomical direction term that means *nearer the surface*?

- a. Deep
- b. Distal
- c. Proximal
- d. Superficial

ANS: D DIF: Application REF: p. 9 TOP: Directional Terms

55. An x-ray technician has been asked to make x-ray films of the liver. Which of the abdominopelvic regions must be included?

- a. Right hypochondriac, epigastric, and left hypochondriac
- b. Right hypochondriac, right lumbar, and right iliac
- c. Right iliac, hypogastric, and left iliac
- d. Right lumbar, umbilical, and left lumbar

ANS: A DIF: Application REF: p. 13 TOP: Abdominopelvic Regions

- 56. As a nurse, you are assisting a physician with the examination of a patient. The physician asks you to tell the patient, who is lying on the examination table, to assume the anatomical position. How would you instruct the patient to assume this position?
 - a. Have the patient stand up and place his arms at his sides, palms facing forward, with hands and feet facing forward.
 - b. Have the patient stand up and place his arms at his sides, palms facing posteriorly, with hands and feet facing forward.
 - c. Have the patient stand up and place his arms behind him, palms facing to the side, with feet facing forward.
 - d. Have the patient stand up and place his arms at his sides, palms facing down, with feet facing forward.

ANS: A DIF: Application REF: p. 8 TOP: Anatomical Position

- 57. During a routine physical examination, a patient with an endomorphic somatotype with a large waistline and overall "apple shape" should be advised that such a distribution of fat may lead to what conditions?
 - a. Heart disease, stroke, high blood pressure, and colitis
 - b. Heart disease, stroke, high blood pressure, and diabetes
 - c. Heart disease, stroke, low blood pressure, and colitis
 - d. Prostate cancer, low blood pressure, and diabetes

ANS: B DIF: Application REF: p. 17, Connect It

TOP: Body Type and Disease

58.	 58. If your reference point is "farthest from the trunk of the body" versus "nearest to the trunk the body," where does the knee lie in relation to the ankle? a. Distal b. Proximal c. Superficial d. Superior 								
	ANS: B	DIF:	Application	REF:	p. 9	TOP:	Directional Terms		
59.	The study of micro a. systemic anator b. cytology. c. histology. d. both B and C.	-	anatomy mig	ht inclu	ide:				
	ANS: D TOP: Anatomy	DIF:	Memorization	1		REF:	p. 4		
60.	The structure that is a. cytoplasm. b. endoplasmic rec. mitochondria. d. Golgi apparatus	ticulun s.	1.		of the cell		7		
	ANS: C TOP: Levels of Org		Memorization on	1		REF:	p. /		
61.	How many main tista. 4 b. 8 c. 11 d. 6 ANS: A	ssue ty _l	pes are found Memorization		numan boc	ly? REF:	n 7		
	TOP: Levels of Org			1		KET:	p. /		
62.	The mediastinum is a. dorsal b. abdominal c. ventral d. Both B and C a			_ cavit	y.				
	ANS: C	DIF:	Application	REF:	p. 12	TOP:	Body Cavities		
63.	Another term for <i>p</i> a. ventral. b. dorsal. c. inferior. d. proximal. 	osterio	r is:						
	ANS: B TOP: Directional To		Memorization	ı		REF:	p. 9		

- 64. The term most nearly opposite *cortical* would be:
 - a. peripheral.
 - b. apical.
 - c. medullary.
 - d. basal.

ANS: C DIF: Memorization REF: p. 9

TOP: Terms Related to Organs

- 65. Withdrawing from a painful stimulus is an example of:
 - a. excretion.
 - b. growth.
 - c. responsiveness.
 - d. secretion.

ANS: C DIF: Application REF: p. 5 TOP: Characteristics of Life

MATCHING

Match each organ to its corresponding system.

- a. Respiratory
- b. Digestive
- c. Urinary
- d. Reproductive
- e. Endocrine
- f. Cardiovascular
- g. Integumentary
- h. Muscular
- i. Skeletal
- j. Nervous
- 1. Tendons
- 2. Pituitary gland
- 3. Skin
- 4. Capillaries
- 5. Ligaments
- 6. Spinal cord
- 7. Bronchial tree
- 8. Testes and ovaries
- 9. Large and small intestines
- 10. Ureters

1. ANS: H DIF:	Memorization	REF:	p. 8, Table 1-2

TOP: Body Systems

2. ANS: E DIF: Memorization REF: p. 8, Table 1-2

TOP: Body Systems

3. ANS: G DIF: Memorization REF: p. 8, Table 1-2

TOP: Body Systems

4. ANS: F DIF: Memorization REF: p. 8, Table 1-2

	TOD D 1 C /				
5	TOP: Body Systems ANS: I	DIE.	Memorization	DEE.	n 9 Table 1 2
٥.	TOP: Body Systems	DIF.	Memorization	KET.	p. 8, Table 1-2
6		DIF.	Memorization	RFF.	p. 8, Table 1-2
0.	TOP: Body Systems	DII.	Wiemonzation	KLI.	p. 0, 1401e 1 2
7.	* *	DIF:	Memorization	REF:	p. 8, Table 1-2
	TOP: Body Systems				1 -7
8.			Memorization	REF:	p. 8, Table 1-2
	TOP: Body Systems				
9.		DIF:	Memorization	REF:	p. 8, Table 1-2
	TOP: Body Systems				
10.	ANS: C	DIF:	Memorization	REF:	p. 8, Table 1-2
	TOP: Body Systems				
11	Match each term to a. Abdominal b. Brachial c. Cervical d. Coxal e. Cutaneous f. Digital g. Femoral h. Lumbar	its ass	ociated region.		
	Thigh				
	Arm				
	Anterior torso				
	Lower back between	i ribs a	and pelvis		
	Fingers and toes				
	Hip				
	Skin				
18.	Neck				
11	ANS: G	DIE	Memorization	DEE.	p. 16, Table 1-4
11.	TOP: Body Regions	DII.	Wiemonzation	KLI.	p. 10, 1401c 1-4
12.	ANS: B	DIF:	Memorization	REF:	p. 16, Table 1-4
	TOP: Body Regions				1
13.	ANS: A	DIF:	Memorization	REF:	p. 16, Table 1-4
	TOP: Body Regions				
14.		DIF:	Memorization	REF:	p. 16, Table 1-4
	TOP: Body Regions				
15.		DIF:	Memorization	REF:	p. 16, Table 1-4
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16.		DIF:	Memorization	KEF:	p. 16, Table 1-4
17	TOP: Body Regions ANS: E	DIE.	Memorization	DEE.	p. 16, Table 1-4
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18.	ANS: C	DIF:	Memorization	REF:	p. 16, Table 1-4
-0.	TOP: Body Regions	•			1,

	Maich each term to its correct corresponding statement.		
	a. Superior		
	b. Inferior		
	c. Anterior		
	d. Posterior		
	e. Medial		
	f. Lateral		
	g. Proximal		
	h. Distal		
	i. Superficial		
19.	The great toe is to the little toe.		
	The skin is to the muscles beneath it.		
21.	The vertebrae are located on the aspect of the boo	ly.	
22.	The hand is to the shoulder.		
23.	The abdomen is to the head.		
24.	The lungs are to the intestines.		
	The nose is located on the surface of the head.		
26.	The knee is to the ankle.		
27.	The ear is on the aspect of the head.		
19.	ANS: E DIF: Memorization	REF:	p. 9
	TOP: Directional Terms	TELLY	Ρ.,
20.	ANS: I DIF: Memorization	REF:	p. 9
	TOP: Directional Terms		•
21.	ANS: D DIF: Memorization	REF:	p. 9
	TOP: Directional Terms		
22.	ANS: H DIF: Memorization	REF:	p. 9
22	TOP: Directional Terms ANS: B DIF: Memorization	REF:	n 0
23.	TOP: Directional Terms	KET.	р. 9
24	ANS: A DIF: Memorization	REF:	n 9
2	TOP: Directional Terms	TCLT.	P. 7
25.	ANS: C DIF: Memorization	REF:	p. 9
	TOP: Directional Terms		1
26.	ANS: G DIF: Memorization	REF:	p. 9
	TOP: Directional Terms		
27.	ANS: F DIF: Memorization	REF:	p. 9
	TOP: Directional Terms		
	Match each set of functions with its corresponding syste.	m or syster	ns
	a. Reproduction and development		
	b. Processing, regulation, and maintenance		
	c. Outer protection		
	d. Support and movement		
	e. Communication, control, and integration		
	f. Transportation and defense		
28.	Nervous system		
۷٠.	11011040 0 3 0 10111		

29. Muscular system and skeletal system

- 30. Circulatory system and lymphatic system
- 31. Respiratory system, digestive system, and endocrine system
- 32. Reproductive system
- 33. Integumentary system

28. ANS: E DIF: Memorization REF: p. 8, Table 1-2

TOP: Body Systems

29. ANS: D DIF: Memorization REF: p. 8, Table 1-2

TOP: Body Systems

30. ANS: F DIF: Memorization REF: p. 8, Table 1-2

TOP: Body Systems

31. ANS: B DIF: Memorization REF: p. 8, Table 1-2

TOP: Body Systems

32. ANS: A DIF: Memorization REF: p. 8, Table 1-2

TOP: Body Systems

33. ANS: C DIF: Memorization REF: p. 8, Table 1-2

TOP: Body Systems

Match each characteristic of life with the correct descriptive phrase.

- a. Conductivity
- b. Excretion
- c. Growth
- d. Circulation
- e. Respiration
- f. Responsiveness
- g. Digestion
- h. Absorption
- i. Secretion
- j. Reproduction
- 34. Movement of digested nutrients through the wall of the digestive tract into body fluids for transport to the cell
- 35. Permits an organism to sense, monitor, and respond to changes in the external environment
- 36. Production and release of specialized substances to support diverse body functions
- 37. Responsiveness and this characteristic are highly developed in nerve cells
- 38. Movement of body fluids and other substances from one part of the body to another
- 39. Removal of waste produced by many body functions
- 40. Comes about as a result of a normal increase in size or number of cells
- 41. Exchange of gases between the organism and the environment
- 42. Formation of new individuals
- 43. Process by which complex food substances are broken down into simple substances that can be absorbed by the cells

34. ANS: H DIF: Memorization REF: p. 5, Table 1-1

TOP: Characteristics of Life

35. ANS: F DIF: Memorization REF: p. 5, Table 1-1

TOP: Characteristics of Life

36. ANS: I DIF: Memorization REF: p. 5, Table 1-1

TOP: Characteristics of Life

37. ANS: A DIF: Memorization REF: p. 5, Table 1-1

	TOP: Characteristics of Life		
38.	ANS: D DIF: Memorization	REF:	p. 5, Table 1-1
	TOP: Characteristics of Life		
39.	ANS: B DIF: Memorization	REF:	p. 5, Table 1-1
4.0	TOP: Characteristics of Life	D.E.E.	• m.i
40.	ANS: C DIF: Memorization	REF:	p. 5, Table 1-1
4.1	TOP: Characteristics of Life	DEE	5 T 11 1 1
41.	ANS: E DIF: Memorization TOP: Characteristics of Life	KEF:	p. 5, Table 1-1
42	ANS: J DIF: Memorization	DEE.	5 Table 1 1
42.	TOP: Characteristics of Life	KEF:	p. 5, Table 1-1
13	ANS: G DIF: Memorization	DEE.	p. 5, Table 1-1
45.	TOP: Characteristics of Life	KLI.	p. 5, 1aoic 1-1
	101. Characteristics of Life		
	Match each term related to an organ to its definition or expl	anatio	n.
	a. Medullary		
	b. Basal		
	c. Apical		
	d. Cortical		
	e. Lumen		
	D		
	Base or widest part of the organ		
45.	Outer region or layer of an organ		
45.	-		
45. 46.	Outer region or layer of an organ		
45. 46. 47.	Outer region or layer of an organ Hollow part of an organ or tube of the body		
45. 46. 47. 48.	Outer region or layer of an organ Hollow part of an organ or tube of the body Inner region of an organ Narrow part or point of an organ		
45. 46. 47. 48.	Outer region or layer of an organ Hollow part of an organ or tube of the body Inner region of an organ Narrow part or point of an organ ANS: B DIF: Memorization	REF:	p. 10
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45. 46. 47. 48. 44.	Outer region or layer of an organ Hollow part of an organ or tube of the body Inner region of an organ Narrow part or point of an organ ANS: B DIF: Memorization TOP: Terms Related to Organs ANS: D DIF: Memorization TOP: Terms Related to Organs	REF:	p. 9
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- c. Cellular
- d. Tissue
- e. Organ
- f. System
- g. Organism
- 49. Highest level of organization
- 50. Includes mitochondria
- 51. Composed of the smallest structure that possesses the basic characteristics of living matter
- 52. Level at which the tissues work together to perform a specific function

53.	Composed of macromolecules		
54.	Cells working together to perform a specific function		
55.	Level at which a group of organs work together to perform specific complex functions		
49.	ANS: G DIF: Memorization REF: p. 8 TOP: Levels of Organization		
50.	ANS: B DIF: Memorization REF: p. 7 TOP: Levels of Organization		
51.	ANS: C DIF: Memorization REF: p. 7 TOP: Levels of Organization		
52.	ANS: E DIF: Memorization REF: p. 7 TOP: Levels of Organization		
53.	ANS: A DIF: Memorization REF: p. 6 TOP: Levels of Organization		
54.	ANS: D DIF: Memorization REF: p. 7 TOP: Levels of Organization		
55.	ANS: F DIF: Memorization REF: p. 7 TOP: Levels of Organization		
ОТНІ	ER		
1.	In simple terms, what are the characteristics of life?		
	ANS: Answers will vary.		
	DIF: Application REF: p. 5 TOP: Characteristics of Life		
2.	Discuss the principle of complementarity of structure and function.		
	ANS: Answers will vary.		
	DIF: Application REF: p. 16 TOP: Interaction of Structure and Function		
3.	Explain one way in which culture has affected science. Explain one way in which science has affected culture.		
	ANS: Answers will vary.		
	DIF: Application REF: p. 3 TOP: Science and Society		
4.	Describe the levels of organization from chemical to system.		
	ANS: Answers will vary.		
	DIF: Memorization REF: p. 6 TOP: Levels of Organization		

5. Describe anatomical position. Give examples of structures that are ipsilateral and contralateral to each other.

ANS:

Answers will vary.

DIF: Application REF: p. 8 TOP: Anatomical Position

6. List the directional terms, and use them to describe the relationship between two structures in the body.

ANS:

Answers will vary.

DIF: Application REF: p. 9 TOP: Anatomical Directions