Which of the following provides the energy source for speech?     a. Respiratory system     c. Articulatory/resonatory system  ANSWER:	<ul><li>b. Phonatory system</li><li>d. Nervous system</li></ul>	a
2. The phonatory subsystem provides which of the following?     a. The voicing source for speech     c. The filter function for speech  ANSWER:	. The energy source for speech	a
<ul> <li>3. The articulatory subsystem provides which of the following?</li> <li>a. The voiced source for vowels</li> <li>b. The system of neural commands for phonation and reso</li> <li>c. The acoustic filter system for speech production</li> <li>d. None of the above</li> </ul> ANSWER:	onation	c
<ul> <li>4. The nervous system provides which of the following?</li> <li>a. Control of respiration</li> <li>c. Control of articulation</li> </ul> ANSWER:	<ul><li>b. Control of phonation</li><li>d. All of the above</li></ul>	d
<ul> <li>5. The auditory system provides which of the following?</li> <li>a. Feedback concerning visual processing</li> <li>b. A means of identifying respiratory timing in the listen</li> <li>c. Processing of acoustic information</li> <li>d. None of the above</li> </ul> ANSWER:	ier	c
6. Which term refers to the study of the structure of an organism?  a. Physiology  c. Endocrinology  e. Embryology  ANSWER:	<ul><li>b. Dissection</li><li>d. Anatomy</li></ul>	d
7. Which term refers to the study of the function of an organism?  a. Physiology c. Dissection e. Morphology  ANSWER:	<ul><li>b. Separation</li><li>d. Cryogenics</li></ul>	a
8. Which term refers to cutting of a body for the purpose of study?  a. Epidemiology	b. Dissection	

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CHAPTER 1 - BASIC ELEMENTS	S OF ANATOMY	
c. Necrology	d. Audiol	ogy
e. Pathology		
ANSWER:		b
9. Which term refers to the study of the fur	nction of the structures of hearing?	
a. Auditory physiology	b. Auditory process	ing
c. Auditory perception	d. Auditory phrased	ology
e. None of the above		
ANSWER:		a
10. Which term refers to application of ana relates to surgical procedures?	atomical study for the diagnosis and treatment	nt of disease, particularly as it
a. Clinical anatomy	b. Descriptive anatomy	<b>/</b>
c. Gross anatomy	d. Microscopic anatom	ıy
e. Surface anatomy		
ANSWER:		a
<ul> <li>11. Which term describes individual parts composite of systems that function together a. Cumulative anatomy</li> <li>c. Gross anatomy</li> <li>e. None of the above</li> </ul>	of the body without reference to disease coner)?  b. Descriptive and d. Elemental anato	tomy
ANSWER:		b
12. Which term describes the study of stru	actures visible without the aid of microscopes	3?
a. Visible anatomy	b. Descriptive anato	my
c. Gross anatomy	d. Viable anatomy	
e. None of the above		
ANSWER:		c
13. Which of the following is the study of the organs beneath the surface?	the form and structure of the surface of the b	oody, especially with reference to
a. Residual anatomy	b. Morphological anato	my
c. Structural anatomy	d. Microscopic anatomy	y
e. Surface anatomy	•	
ANSWER:		e
14. Which of the following deals with grow	wth of and changes in the organism from cor	nception to adulthood?
a. Clinical anatomy	b. Descriptive	-
c. Gross anatomy	d. Surface anat	•
e. Developmental anatomy		
ANSWER:		e

15. Which of the following helps us understand the effects of respiratory diseases, such as emphysema, on speech

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CHAPTER 1 - BASIC ELEMENTS OF A	ANATOMY	
function?		
a. Cumulative anatomy	b. Systemic anatomy	
c. Pathological anatomy	d. None of the above	
ANSWER:		c
16. Which of the following involves examination organisms?	of anatomical structures with reference to non	human as well as human
a. Multispecies anatomy	b. Elemental anatomy	
c. Invertebrate anatomy	d. Comparative anatomy	
e. None of the above		
ANSWER:		d
17. Which of the following helps us understand the emphysema?	he cellular changes that occur during the course	e of diseases such as
a. Glial physiology	b. Systemic anatomy	
c. Gross anatomy	d. Microscopic anatomy	
e. None of the above		
ANSWER:		d
18. Which of the following is the study of cell str	grature and function?	
a. Cytology	b. Osteology	
c. Myology	d. Arthrology	
e. Angiology	d. Thundregy	
ANSWER:		a
10 White Cd. Ch	1 6 11 17 0	
<ul><li>19. Which of the following is the microscopic stu</li><li>a. Histology</li></ul>	•	
	b. Urology d. Arthrology	
27 24 1	d. Attillology	
e. None of the above <i>ANSWER:</i>		0
ANSWER.		a
20. Which of the following is the study of the stru	ucture and function of bones?	
a. Necrology	b. Osteology	
c. Biology	d. Pathology	
e. None of the above		
ANSWER:		b
21. Which of the following is the study of the for	m and function of muscle?	
a. Tendonitis	b. Muscular dystrophy	
c. Myology	d. Myology	
e. None of the above	, 6,	
ANSWER:		c
22. Which of the following is the study of joints of	of the body?	

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CHAPTER	1 - BASIC ELEMENTS OF	ANATOMY		
a.	Phlebotomy	b.	Pathology	
c.	Serology	d.	Arthrology	
e.	None of the above			
ANSWER:				d
23. Which of the	he following is the study of blood	d vessels and the lymph system?		
a.	Angiology	b.	Phlebotomy	
c.	Vasculology	d.	Arthrology	
e.	None of the above			
ANSWER:				a
	he following is the study of disea			
a.	Cytology	b.	Craniotomy	
c.	Neurology	d.	Phlebotomy	
e.  ANSWER:	None of the above			c
25. Which of the	he following tissues provides the	surface covering of the body and	d linings of cavities and passag	eways?
	a. Muscular	b. Epithel		•
	c. Nervous	d. Conne	ctive	
ANSWER:				b
26.	is the type of tissu	te that links structures together.		
ANSWER:		Connective tissue		
27.	is contractile in na	nture.		
ANSWER:		Mus	cle	
28.	muscle is also call	led skeletal muscle.		
ANSWER:		Striate	ed	
29	tissue is specialize	ed for communication.		
ANSWER:		Nervous		
30	strength is the qua	lity of a material that keeps fiber	rs from being easily separated v	when
pulled.		<b></b>		
ANSWER:		Tens	ile	
31	strength provides	resistance to crushing.		
ANSWER:		Compressive		
32	is a tissue type tha	at provides the cushion between v	vertebrae of the spinal column.	
ANSWER:		Fibrocartilage	-	
33	cartilage makes u	the larynx, trachea, and bronch	ial passageway.	

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CHAPTER 1 - B	ASIC ELEMENTS OF ANATOMY	
ANSWER:	Hyaline	
34	are aggregates of tissue with functional unity, in that the	ne tissues all serve the same general
ourpose. ANSWER:	Organs	
35 4 <i>NSWER:</i>	is a sheet-like membrane of connective tissue that surr Fasc	_
36 ANSWER:	are relatively nonelastic, and bind structures together.  Ligaments	
37 4 <i>NSWER:</i>	provide a means of attaching muscle to bone or cartila;  Tendons	ge.
38 4 <i>NSWER:</i>	is a sheet-like tendon.  Aponeurosis	
39 4 <i>NSWER:</i>	is composed predominantly of intercellular material, k  Connective tissue	nown as the matrix.
40 4 <i>NSWER:</i>	tissue is areolar tissue that is highly impregnated with Adipose	fat cells.
41 4 <i>NSWER:</i>	tissue is specialized connective tissue found in tonsils  Lymphoid	and adenoids.
42 properties of strengt 4 <i>NSWER:</i>	is a particularly important combination of connective th and elasticity.  Cartilage	issues, because it has unique
43	contains collagenous fibers; it provides the cushion bethe mating surface for the temporomandibular joint between the Fibrocartilage	
14 4 <i>NSWER:</i>	acts as a shock absorber and provides a relatively smoo	oth surface for gliding.
45. epiglottis. 4NSWER:	cartilage contains elastic fibers rather than collagen, ar  Yellow Elastic	nd is found in the pinna, nose, and
46 4 <i>NSWER:</i>	is the hardest of the connective tissues.	Bone

muscle is so called because of its striped appearance under the microscope.

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		Δ.	
		<b>C</b> .	

ANSWER:	Striated
48 ANSWER:	is the point of attachment of a muscle that has the least movement.  Origin
49 ANSWER:	is the point of attachment of a muscle that is relatively mobile.  Insertion
50. The	skeleton consists of the trunk and head.  axial
51. TheANSWER:	consists of the abdominal and thoracic regions.  trunk
52. AANSWER:	section is one in which there are front and back halves.  frontal coronal
53. A	section divides the body into right and left halves. sagittal
54. A	section divides the body into upper and lower portions.  transverse
55. The term	refers to the front surface of a body, whether erect, supine, or prone.
56. The term	refers to the back surface of a body, whether erect, supine, or prone.
57. The term	refers to the belly of an erect human.  ventral
58. The term	refers to the back of an erect human.  dorsal
59. The term	refers to the surface of a body. superficial
60. The term	refers to directions away from the surface of the body.  deep
61. The term	refers to being away from the midline of a free extremity.  distal
62. The term	refers to being toward the midline of a free extremity.

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:	:	e:e	
CHAPTER 1 - BASIC ELEMEN	NTS OF ANATOMY		
ANCIVED.	mo adi	5 <sub>0</sub> 1	

ANSWER: medial

63. The term \_\_\_\_\_\_ refers to an elevated position.

ANSWER: superior

64. The term \_\_\_\_\_ refers to being closer to the ground.

ANSWER: inferior

65. The term \_\_\_\_\_ refers to being on one's back.

ANSWER: supine

66. The term \_\_\_\_\_ refers to being on one's abdomen.

ANSWER: prone

67. How has the definition and practice of anatomy changed since the days of the early anatomists?

ANSWER: The term *anatomy* currently refers to the structure of an organism. The early anatomists used the term to describe the actual dissection of an organism, including the cutting of parts and the separating of tissues. Over time, however, the word *anatomy* has evolved to encompass a field of study that now includes many subspecializations: for example, applied anatomy, descriptive anatomy, gross anatomy, developmental anatomy, pathological anatomy, and so forth.

68. What languages form the basis for the terminology used to discuss anatomy, and what purpose do these languages still serve?

ANSWER: Anatomical terms for body parts and tissues are primarily based on Greek and Latin. These languages were once universally used by early anatomists and medical practitioners. Today, anatomical and medical terms are still based on their ancient Greek and Latin roots.

69. What are the three major building blocks of the body? Briefly describe the role of each.

ANSWER: The three major building blocks of the body are:

- **1. Organs:** Collections of specific tissues that are organized into structures that are specialized to perform particular functions. Examples of organs include the kidneys, the heart, the liver, and the lungs.
- **2. Tissues:** Collections or groups of similar cells that are specialized to perform specific functions. The four types of tissue include:
- Epithelial tissue: refers to the outer or superficial layer of mucous membrane and the cells constituting the skin.
  - Connective tissue: probably the most complex of the categories of tissues,
- because it is specialized for the purposes of support. Connective tissue varies as a function of the intercellular material (matrix) surrounding it.
- Muscular tissue: consists of voluntary (striated), involuntary (smooth), and cardiac muscle.
- Nervous tissue: specialized for communication.
- **3. Systems:** Combinations of organs that perform specific functions. In other words, systems of the body are groups of organs with functional unity. Organs can belong to more than one system. Examples of systems include the muscular system, the skeletal system, the respiratory system, the digestive system, the reproductive system, the urinary and endocrine systems, and the nervous system.

Nam :	Э	Class	Dat e:
CH <i>i</i>	APTER 1 - BASIC ELEMENTS (	OF ANATOMY	
	WER: Defining the systems of speech To produce the sounds of speech manner. The science of speech	speech primarily a convenience for discussing is only a convenience, because none of the four h, all of the systems of speech must operate togis extremely complicated, and defining the system production and speech pathology.	r systems operate in isolation. gether in a highly integrated
a. b. c. d. e.	adipose connective tissue areolar (loose) connective tissue epithelial tissue osseous (bony) connective tissue lymphoid tissue	ntor. Answers may be used more than once or n	ot at all.
f.	fibrous connective tissue		
g.	muscle		
h.	nervous tissue		
	May have cilia WER:		c
	Makes up the linings of the cavities of the WER:	e body	c
	ound between muscles and forms a thin WER:	, membranous sheet between organs	b
	ncludes secreting tissue WER:		c
	pecialized connective tissue found in to WER:	nsils and adenoids	e
	Takes up the superficial layer of mucous WER:	s membranes and the cells constituting the skin	c
	lighly impregnated with fat cells WER:		a
	trong, dense tissue, of which ligaments, WER:	fascia, and cartilage are made	f
	ontractile in nature WER:		g
Matc	h the type of synovial joint to the correc	et descriptor.	

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condylar joint

spheroid (cotyloid) joint

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a.

b.

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:	: <u> </u>	e:
CHADTED 1 BASIC ELEMENTS OF ANATOL	MV	

- ellipsoid joint c.
- ginglymus d.
- sellar joint e.
- plane synovial joint f.
- trochoid joint g.

80. Gliding joint in which the mating surfaces of the bones are more or less flat

f ANSWER:

81. Reciprocal in nature, such that one member of the joint is convex and the other member is concave.

ANSWER: b

82. Shallow ball-and-socket joint permitting limited movement

ANSWER: a

83. Elliptical in shape

ANSWER: c

84. Consists of a bony process protruding into a space

ANSWER: g

85. Also known as a saddle joint

ANSWER: e

86. Also known as a hinge joint

ANSWER: d

Match each term to the correct descriptor.

- ligament
- fascia b.
- aponeurosis c.
- d. tendon

87. A sheet-like membrane surrounding organs

ANSWER: b

88. Binds organs together or holds bones to bones or bones to cartilage

ANSWER: a

89. Attaches muscle to bone or to cartilage

ANSWER: d

90. A sheet-like tendon

ANSWER:

Match each term to the correct descriptor.

c

Name		Class :	Dat e:
CHA]	PTER 1 - BASIC ELEMENTS OF	ANATOMY	
	synarthrodial (fibrous) joint amphiarthrodial (cartilaginous) joint diarthrodial (synovial) joint		
91. Hiş <i>ANSW</i>	ghly mobile joints, containing a lubricatin <i>ER</i> :	ng fluid within the articular capsule	c
92. Ha <i>ANSW</i>	ve limited mobility, with cartilage perform <i>ER</i> :	ming the primary joint function	b
93. Im <i>ANSW</i>	mobile ER:		a
Match	each term to the correct descriptor.		
a.	insertion		
b.	agonist		
c.	synergist		
d.	origin		
e.	antagonist		
f.	motor unit		
94. Th <i>ANSW</i>	e least mobile point of attachment of a mu <i>ER</i> :	uscle	d
95. Th <i>ANSW</i>	e most mobile point of attachment of a minute.	uscle	a
96. Mu <i>ANSW</i>	uscle that moves a structure <i>ER</i> :		b
97. Mu <i>ANSW</i>	iscle that opposes a given movement <i>ER</i> :		e
98. Mu <i>ANSW</i>	uscle used to stabilize structures <i>ER</i> :		c
99. Co <i>ANSW</i>	nsists of one efferent nerve fiber and the $ER$ :	muscle fibers to which it attaches	f
Match	each system to the correct descriptor.		
a.	phonatory system		
b.	respiratory system		
c.	articulatory/resonatory system		

d.

nervous system

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CHAPTER 1 - BASIC ELEMENT	TS OF ANATOMY	
ANSWER:		b
101. Involved with production of voicing ANSWER:	g for speech	a
102. Includes the tongue, lips, teeth, soft <i>ANSWER:</i>	palate, and other structures	С
103. The system of control for all speech <i>ANSWER:</i>	n mechanisms	d
Match each term to the correct descriptor  a. sagittal section  b. transverse section  c. ventral  d. rostral  e. anterior  f. frontal (coronal) section  g. dorsal	or.	
<ul><li>h. peripheral</li><li>104. A section that divides the body into <i>ANSWER</i>:</li></ul>	front and back halves	f
105. A section that cuts the body into lef <i>ANSWER</i> :	t and right portions	a
106. A section that cuts the body into up <i>ANSWER:</i>	per and lower halves	b
107. Refers to the front surface of a body <i>ANSWER</i> :	y .	e
108. Means "toward the belly" <i>ANSWER:</i>		c
109. Means "toward the back" (dorsal) <i>ANSWER:</i>		g
110. Means "away from the center" <i>ANSWER:</i>		h
Match each term to the correct descriptor a. deep b. superficial	or.	

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	•	е.

- c. supine
- d. prone
- e. medial
- f. distal
- g. superior
- h. extension
- i. inferior
- i. lateral
- k. proximal
- 1. flexion
- 111. Means "confined to the surface"

ANSWER:

112. Means "closer to the axis of the body"

ANSWER:

113. Means "away from the midline of an appendicular structure"

ANSWER:

114. Means "toward the midline of an appendicular structure"

ANSWER: e

115. Means "above" or "farther from the ground"

ANSWER:

116. Means "below" or "closer to the ground"

ANSWER:

117. Means "on one's back"

ANSWER:

118. Means "on one's belly"

ANSWER:

119. Means "pertaining to the side"

ANSWER:

120. Means "nearest to the point of attachment"

ANSWER: k

121. Means "bending at a joint"

ANSWER:

122. Means "pulling two ends farther apart"

b

Name :	Class :	Dat e:	
CHAP	TER 1 - BASIC ELEMENTS OF ANATOMY		
ANSWE	CR:	ł	1
Match e	each term to the correct descriptor.		
a.	thorax		
b.	abdomen		
c.	trunk		
d.	caput		
e.	pelvis		
	e chest region		
ANSWE	CR:		a
124. Th	e area of the hip bones		e
125 D.	ato atom the term by		
ANSWE	sts atop the trunk <i>CR:</i>	Ċ	1
Match e	each term to the correct descriptor.		
a.	palmar surface		
b.	flexor surface		
c.	pronation		
d.	supination		
e.	dorsal		
126. Th <i>ANSWE</i>	e ventral surface of the hand <i>R</i> :		a
127. Th	e back of the hand		e
120 B	4.4'	51	
128. Ro	tation of the hand so that the ventral surface is directed inferi CR:	oriy	c
129. Ro	tation of the hand so that the dorsal surface is directed superi	orly	

ANSWER:

d