NAME	

INTRODUCTION TO ANATOMY & PHYSIOLOGY

2nd Test

Classı	<u>fy</u> e	ach	of the fol	lowing bo	nes as	long, s	short,	flat, o	or <u>irregular</u>	:
1. Ver	tebra	a			3	. Fibula	ì			
2. Tar	sals				_ 4	Rıb				
Explaı	<u>n</u> , u	sıng	examples,	the follo						
5. Sto	rage									-
6. Pro	tect	10n _				,				
Multıp	<u>le Cl</u>	1010	e - Write	the lette:	r of th	ne most	correc	t choic	е.	
<u> </u>		ılar	f the foll skeleton?						the appen-	
8.			f the foll n? (a) pa							
9.			ft portion physis; (c					(a) ep	iphysis;	
10.			portion ophysis; (c					a) epıp	hysis;	
11.	1S 8	a rei		plate of	cart 1]				d) perioster brings about	
Provid of joi		exai	nple or sp	ecific loc	cation	for eac	ch of t	ne foll	owing types	
12. Fı	brous	s jo	ınt							
13. Sy	novia	al jo	oint							
14. Ca	rtıla	agın	ous joint							
True o	r <u>Fa</u>	lse		×						
		15.	cartilage	al skeleto, the more	e ossıf	led ske	letons	amount of chi	s of hyaline	e 1 n
	. 1	16.	Both oste process o	oclasts and f bone rem			are 1	nvolved	in the	
		17.	"Greensti	ck" fracti hose bones					ın older	

18. A compound fracture is one in which broken bone ends penetrate the skin.
19. The fontanels in a baby's skull facilitate flexibility in the shape of the skull during childbirth.
20. Intervertebral discs provide cushioning and flexibility between the vertebrae.
Provide the correct name for each of the following abnormal curvatures of the spine:
21. <u>21</u>
22 8 23 8 22.
23
Matching - Write the letter of the most correct choice.
A. Gout C. Osteoarthritis E. Rheumatoid arthritis B. Ossification D. Osteoporosis F. Sprain
24. Process of bone formation, often replacing cartilage.
25. Joint disorder in which ligaments or tendons are stretched excessively or torn away.
26. Disorder characterized by breakdown of cartilage and growth of bone spurs, making movement of joints painful.
27. Chronic inflammatory disorder involving the synovial membranes around joints. The body's own chemicals destroy its tissues.
28. Disease in which uric acid accumulates in blood and crystallizes in joints, especially in toes and feet.
29. Disorder involving gradual loss of bone density, often result- ing in spontaneous fractures.
$\underline{\text{List}}$ the 3 types of muscle and $\underline{\text{provide}}$ $\underline{\text{a}}$ $\underline{\text{location}}$ for each.
30-31.
32-33.
34-35.

(True or False continued)

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- 36. A nerve impulse which has the potential of activating a muscle is known as a(n)
- 37. The theory is commonly proposed to describe mechanism of muscle contraction.
- 38. As a part of the muscular system, _____ attach muscles to bone.
- 39. Skeletal muscle is described as _____ muscle because of its striped appearance when magnified, owing to the bands of actin and myosin filaments.
- 40-41. Muscle contractions in which the muscles do not shorten are called contractions. If the muscles do shorten and movement occurs, they are called _____ contractions.
- 42-43. The muscle that has the major responsibility for causing a particular movement is called the $\frac{\text{mover. A muscle that opposes}}{\text{or reverses a movement is called a(n)}}$.

Describe the effects and benefits of the following on skeletal muscles and other body organs:

- 44. Aerobic exercise
- 45. Resistance exercise
- 46. What is meant by muscle tone?

Fill in the Blank

- 47. The nervous system consists of the brain and spinal cord.
- 48. The division of the peripheral nervous system consists of nerves that convey impulses to the central nervous system from sensory receptors located in various parts of the body.
- 49. The _____ nervous system regulates events that are automatic, or involuntary.

Label the indicated parts of a neuron:



- 50. Cell body
- 51. Dendrite 52. Axon
- 53. Schwann cell

Label the indicated regions of the brain:



- 54. Cerebrum (cerebral hemisphere)
- 55. Cerebellum
- 56. Brain stem

$\underline{\underline{\text{Matching}}}$ - Match the letter of the term with the correct description.
A. Auricle B. Cones H. Malleus N. Rods C. Cornea I. Nasolacrimal duct D. Incus J. Papillae F. Lacrimal glands L. Pupil R. Sclera
57. Secretes dilute salt solution over eyes.
58. Passageway for draining excess tears into nasal cavity.
59. White outer fibrous layer of eyeball.
60. Transparent fibrous layer on anterior portion of eyeball.
61. Pigmented portion of eyeball (blue eyes, brown eyes, etc.)
62. Rounded opening through which light passes into eye.
63. Flexible, biconvex crystal-like structure that focuses the light, located in anterior portion of eyeball.
64. Internal sensory layer at posterior of eyeball. The image forms here.
65. Photoreceptors that facilitate vision in dim light.
66. Photoreceptors that facilitate color vision.
67. Outermost portion of ear; also known as pinna.
68. Eardrum
69. Ist ossicle of ear; also called the hammer.
70. 2nd ossicle of ear; also called the anvil.
71. 3rd ossicle of ear; also known as stirrup.
72. Connects middle ear cavity with throat.
73. Structure found in inner ear, involved with equilibrium.
74. Projections on surface of tongue.
Describe the meaning of the following vision terms: (Go beyond terms like "near-sighted"/"far-sighted")
75. Emmetropic
76. Myopic

77. Hyperopic