Name	Date	Lab Pd

Chapter 1.6

Organization within the Human Body

/202 points

SECTION OBJECTIVES

- Describe the locations of the major body cavities
- List the organs located in each major body cavity
- Name the membranes associated with the thoracic and abdominopelvic cavities
- Name the major organ systems, and list the organs associated with each
- Describe the general functions of each organ system

Lecture Notes (57)

The human body is divi	ded into two main sections: _	– head, neck, and	d trunk and	_ – upper and lower limbs
The human body is also	o divided into three categories	:		
body	, layers of	within these cavi	ties, and a variety of	·
Axial Portion: Contains	s the cavity,	canal,	cavity, and	
cavity. The thoracic and	d abdominopelvic cavities sep	arated by the	The organs within the o	cavity are called
cavit	y:: sto	mach, intestines, liver, splee	en, and kidneys.	
	: bladde	r, rectum, and reproductive	organs	
The	separates the th	oracic cavity into right and l	eft compartments	
Cranial cavities include	the,,	, and middle		
Membranes: a		attached to the wall or lines	the cavity (pariet = wall)	
b	membrane that cove	<u>rs</u> organ {Viscera - organs v	within the cavity}	
C	<u>potential space</u> between th	e visceral and parietal mem	branes. Has watery fluid (se	rous fluid) that acts as
lubricant.				
Mer	mbranes (pleur=rib)			
•	_ pleura - membrane that	the thoracic cavity		
•	_ pleura - membrane that	lungs		
■ Pleural	(potential space b	etween)		
Me	embranes (peri=around, card	=heart)		
•	_ pericardium - membrane tha	t forms sac	the heart	
•	_ pericardium - membrane on	heart's		
Pericardial	(potential space b	etween)		
N	lembranes			
•	_ peritoneum	the walls of the abdominop	pelvic cavity	
•	_ peritoneum - membranes th	at each o	rgan {Viscera - organs within	the cavity}
Peritoneal	(potential space b	petween)		





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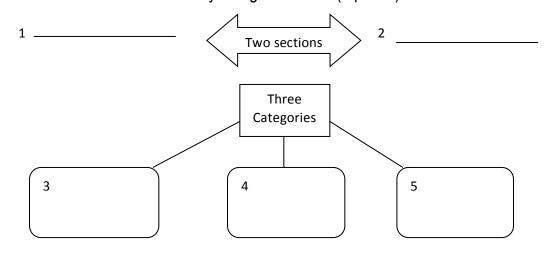
Unit 1 Chapter /202 points **Organization within the Human Body** Levels of 1.6 organization

Organ Systems: divided into __ categories

1. Body _____ Function: regulate body temperature, protection. Organs: skin, hair, nails, glands _____ & Movement _____: Function: framework. Organs: Bones _____: Function: movement, posture, body heat. Organs: muscles 3. Integration & _____ _____: Function: sensory, communication. Organs: brain, spinal cord, nerves, sense organs (eyes, ears, _____: Function: metabolism. Organs: glands (pituitary, thyroid, reproductive...) 4. _____: Function: movement of substances. Organs: heart, vessels, blood : Function: movement of fats and fluids, immunity. Organs: lymph nodes, thymus, spleen Absorption & : Function: breakdown and absorb nutrients. Organs: mouth...stomach...intestines _____: Function: Oxygen in, Carbon dioxide out. Organs: nose...trachea...lungs _____: Function: remove waste. Organs: kidneys, bladder, urethra : Function: to produce offspring. Organs: Male: testes...penis. Female: ovaries...uterus 6.

Section Homework (145)

Human body is organized into (5 points)





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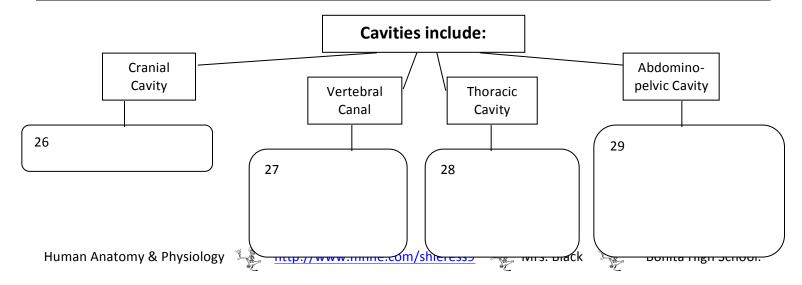
Chapter **1.6**

Organization within the Human Body

_/202 points

Match the definition to the correct term. 1pt each

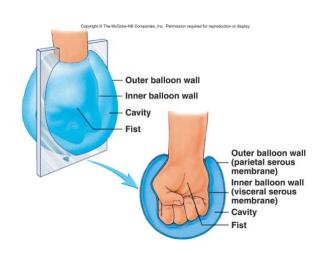
6. Organs found within body cavities, especially in the abdomen	A.	Axial
7. Cavity containing the eyes and associated skeletal muscles and nerves	В.	Appendicular
8. A serous membrane that lines the abdominal cavity and encloses the abdominal viscera	C.	Cranial Cavity
9. Pertaining to the upper and lower limbs	D.	Vertebral Canal
10. Serous membranes that enclose the lungs and line the chest wall	E.	Thoracic Cavity
11. Space within the nose	F.	Abdominopelvic Cavity
12. Serous membrane that surrounds the heart	G.	Viscera
13. Cavity that houses the skull	Н.	Diaphragm
14. Tissues and organs of the thoracic cavity that form a septum between the lungs	I.	mediastinum
15. The portion of the abdominopelvic cavity enclosed by the hip bones	J.	Abdominal Cavity
16. Pertaining to the head, neck, and trunk	K.	Pelvic Cavity
17. Cavity containing the teeth and tongue	L.	Oral Cavity
18. Cavity containing the middle ear bones	M.	Nasal Cavity
19. Cavity that contains the heart, lungs and mediastinum	N.	Orbital Cavities
20. Portion of the abdominopelvic cavity that contain the stomach, liver, spleen, gallbladder, kidneys, and most of the small and large intestines	0. P.	Middle Ear Cavities Parietal
21. Pertaining to the wall of a cavity	Q.	Visceral
22. Contains the spinal cord within the sections of the backbone	R.	Pleural Membranes
23. Pertaining to the contents of a body cavity	S.	Pericardial Membranes
24. The space between the diaphragm and the lower portion of the trunk of the body	T.	Peritoneal Membranes
25. A sheet like structure largely composed of skeletal muscle and connective tissue that separates thoracic and abdominal cavities		

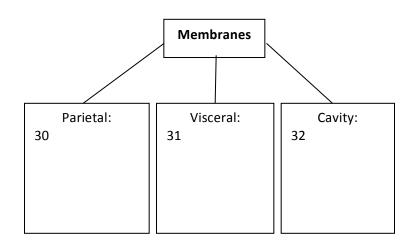


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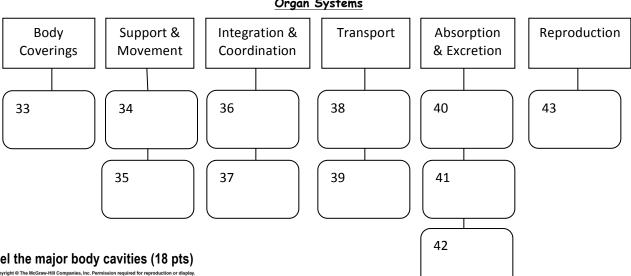
Organization within the Human Body

_/202 points

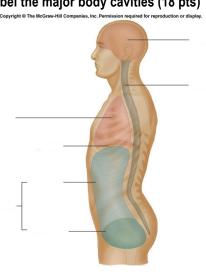


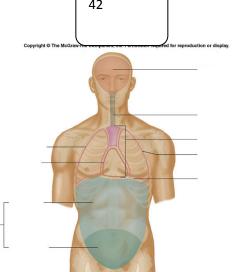


Organ Systems



43. Label the major body cavities (18 pts)





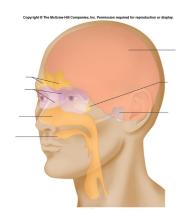
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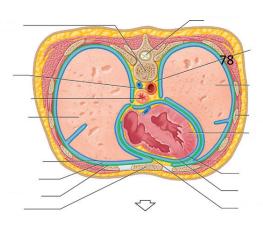
Organization within the Human Body

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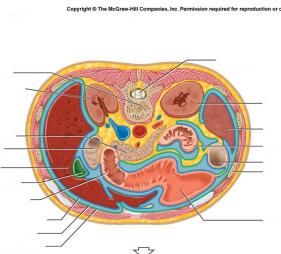
44. Label the cavities of the head (7pts)

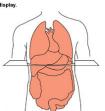






46. Label the transverse section through the abdomen (18 pts)





47. List the components of the axial appendicular cavities. (2pts) ______ 48. List the contents of the thoracic cavity. (2pts) ___

50. List the four smaller cavities of the body. (2pts) ____

51. The walls of the thoracic cavity are lined with a membrane called the

52. The lungs are covered by the ______. (1pt)
53. Why is the pleural cavity called a potential space? (2pts) _____.

49. List the contents of the abdominopelvic cavity. (2pts)



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Unit 1 Levels of organization	Chapter 1.6	Organization within the	Human Body	/202 points
54. Name and d	lescribe th	e membranes covering the heart. (2pts)	
		minopelvic cavity are the		(2pts)
	d function	of organ systems. Fill in the following to		
Function	1	Organ system(s)	Functions	
Support & move	ment			
Integration & cod	ordination			
Transport				
'				
Absorption & Ex	cretion			
Reproduction				
Reproduction				
What treatm	ody parts ir ents migh	an? (1pt) nteract to maintain homeostasis. Illness t be used to help control a patient's (a) t	oody temperature, (b) blood oxygen c	concentration, and (c) water
adjacent org	gans. If one	ls develop benign (noncancerous) tumo e of these persons has the tumor in the (2pts)	abdominopelvic cavity, which person	would be likely to experience
				

