Chapter 1 Worksheet: Organization of the Body

I.

II.

Di	rectional Term			
1.	 An anatomist cuts a cadaver with a large saw in a way that divides the cadaver into equal left and right halves. The cut is along the plane. In many study skills, the top of the In many study skulls, the top of the skull can be removed so 			
2.				
۷.	that inner features can be seen. Along which plane should one cut to open the top of a human			
	study skull?			
3.	A surgeon makes an incision medially from the left axillary region, turning inferiorly at the			
	midline and proceeding to the pubic region. The path of the cut can be mapped on the patient's chest as:			
	a. r c. L e. –			
	b. + d. ¬ f. /			
4.	Soccer players often wear shin protectors, which shield the region of each leg.			
	The head is to the feet.			
6.	. A leg amputation is likely to involve a cut of section, through bone.			
	. The first finger is to the hand, no matter which position it is in.			
8.	The shoulder is to the elbow, no matter how one's arm is held.			
	The skin is relative to the skeleton.			
10	. An occipital scar is on the back of the			
11.	. The thoracic wall is lined with the layer of the double-layered pleural membrane.			
12	. The stomach is to the diaphragm.			
13	. The nose is located on the surface of the body.			
14	. The lungs lie to the heart.			
15	. The elbow lies to the forearm.			
Bo	ody Cavities, Regions, Planes			
1.	. In anatomical position the subject is (seated or standing) with the head facing (sideways or forward), the arms (at the side or parallel to ground) and the palms facing (forward or backward).			
2.	The midsagittal plane divides the body into (equal or unequal) parts.			
3.	A frontal plane divides the body into (anterior and posterior or superior and inferior) sections.			
4.	A transverse plane divides the body into (right and left or upper and lower) sections.			
5.	The coronal plane is also referred to as the plane.			
6.	The dorsal body cavity contains the			
	a. Brain and spinal cordb. Abdominal organsc. Pelvic organsd. Thoracic regions			

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7.	The ventral body cavity contains the a. Thoracic and abdominopelvic cavities			
	b. Thoracic cavity only			
	c. Abdominopelvic cav			
	d. Brain and spinal cord			
8.	The abdominopelvic cavity contains all of the following except the			
	a. Kidneys			
	b. Pancreas			
	c. Lungs			
	d. Trachea			
9.	The mediastinum contains a	Il of the following except		
	a. Esophagusb. Aorta			
	c. Lungs			
	d. Trachea			
10	. The axial portion of the bod	v consists of what parts?		
-	vels of Organization			
		are combinations of atoms form		
2.	Mitochondria, Golgi apparatus, and ER are examples of			
3.		are many similar cells that act to	ogether to perform a common	
	function.			
4.		are the most complex units that	make up the body.	
5.		are a group of several different	kinds of tissues arranged to	
	perform a special function.		Č	
6.		are collections of molecules to p	perform a function.	
7.		are the smallest living units of s	structure and function.	
ΙV. <u>Η</u>	<u>omeostasis</u>			
1.	Negative feedback control s	ystems	change.	
2.	2. Positive feedback control systems		change.	
3.	Negative feedback systems	are (inhibitory or excitatory).		

4. The process of childbirth, in which the baby's head causes increased stretch of the reproductive tract, which in turn feeds back to the brain, this triggering the release of oxytocin, is an example

of ______ feedback.

III.