Body Orientation Extra Credit Worksheet – Chapter 1.

Use your text and lecture notes to fill in the blanks and answer the questions below.

 Physiology is Macroscopic anatomy, also known as anatomy, is the study of structure visible to the eye. Microscopic anatomy is the study of anatomy to the naked eye. is the study of cells is the study of tissues A tissue is a structure made up of many that performs a particular function. Observation is used to inspect anatomy Listening inside the body is known as Feeling the body is called X-rays are good for evaluating, but not good for MRIs are good at evaluating, but less so for Sonograms use to generate an image of the body. A PET scan uses radioactive to look for List the levels of body organization from smallest to largest. 1. Atoms 5. 2 6. 3 7. 4 8. 	Anatomy is	·	
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	2.	6.	
4 8	3.	7.	
''	4.	8.	

In the spaces below, list the 9 n	ecessary life function	ons and give a brief desc	ription of each.
1	:		
2	<u></u> :		
3	<u></u> :		
4	<u></u> :		
5	:		
6	:		
7	:		
8	:		
9	:		
Describe how homeostasis regu	llates body tempera	ture:	
When might the brain purposel	y push the body aw	ay from homeostasis? V	Vhy?
A transverse plane splits the bo	dy into	and	parts.
A frontal (coronal) plane splits t	he body into	and	parts.
A sagittal plane splits the body i	into	and	parts.
A plane that passes through the	e nose issagi	ttal and through the eye	e issagittal.
A plane that passes through the	body at an angle is	called an	plane.

Use the correct directional term to fill in the blanks below (remember anatomical position):

The nose is ______ to the mouth

The ears are ______ to the nose

The elbow is ______ to the wrist

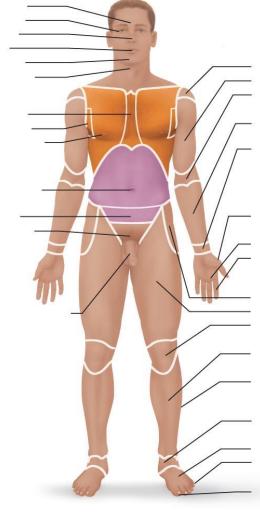
The ankle is ______ to the knee

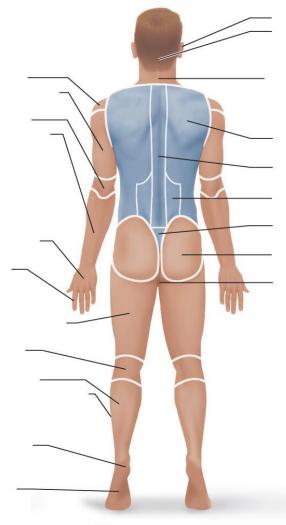
The muscle is ______ to the skin

The ribs are ______ to the lungs

The thumb is ______ to the fingers

Label the diagram below:





la

(b)

List the 12 organ systems in alphabetical order and the organs that comprise them:

2. ______:

3. ______:

4. _____:

5. _____:

6.

7. _____

8. _____:

9. :

10. _____:

11. _____:

12. _____:

The dorsal body cavity is made up of the ______ and _____ cavities.

The ventral body cavity is made up of the ______, _____, and _____, cavities.

Label all the quadrants in the diagram below (you can use arrows):

