

Question No. 1 of 10

**Instructions:** (1) Read the problem statement and answer choices carefully, (2) Work the problems on paper as needed, (3) Pick the answer, and (4) Review the core concept tutorial as needed.

<b>Question #01</b>	<p>Which describes how the human body is organized from most simple to most complex?</p> <p>A. Chemical, tissue, cell, organ, system, organism. B. Cell, chemical, tissue, organ, system, organism. C. Tissue, cell, chemical, organ, organism, system. D. Chemical, cell, tissue, organ, system, organism.</p>
<b>Feedback on Each Answer Choice</b>	<p>A. Incorrect! Tissues are collections of cells and surrounding matrix.</p> <p>B. Incorrect! Cells are more complex than chemicals in the organism.</p> <p>C. Incorrect! Chemical is the most basic level of organization.</p> <p>D. Correct! The range is from chemical organization to organism.</p>
<b>Solution</b>	<p>Remember the cells are made of chemicals, tissues are made of cells, organs are made of tissues, systems are coordinated organs, and an organism is made of systems.</p>

**Question No. 2 of 10**

**Instructions:** (1) Read the problem statement and answer choices carefully, (2) Work the problems on paper as needed, (3) Pick the answer, and (4) Review the core concept tutorial as needed.

**Question #02**

The integumentary system includes the organs of \_\_\_\_\_.

- A. Skin and connective tissue.
- B. Skin and derived structures.
- C. Epithelial linings of the ventral cavity.
- D. Eyes and ears.

**Feedback on Each Answer Choice**

A. Incorrect!  
Connective tissue is not a part of the Integumentary system.

B. Correct!  
The integumentary system include the skin and derived structures like hair and nails.

C. Incorrect!  
Epithelial linings are not a part of the integumentary system.

D. Incorrect!  
The eyes and ears are not a part of the integumentary system, but the skin covering them is.

**Solution**

Review the systems of the body and what each one includes.

**Question No. 3 of 10**

**Instructions:** (1) Read the problem statement and answer choices carefully, (2) Work the problems on paper as needed, (3) Pick the answer, and (4) Review the core concept tutorial as needed.

<b>Question #03</b>	Homeostasis is the complex process that _____.  A. Regulates body growth. B. Protects from infection. C. Maintains the internal environment of the body. D. Is responsible for reproduction.
<b>Feedback on Each Answer Choice</b>	A. Incorrect! Body growth is an endocrine regulated process.  B. Incorrect! The Immune system is responsible for fighting infections.  C. Correct! The stability of the internal environment is controlled by homeostasis.  D. Incorrect! The reproductive system is responsible for the reproductive processes.
<b>Solution</b>	Homeostasis is a vital concept of balance and counterbalancing many physiological processes to maintain the normal range of all body physiology.

**Question No. 4 of 10**

**Instructions:** (1) Read the problem statement and answer choices carefully, (2) Work the problems on paper as needed, (3) Pick the answer, and (4) Review the core concept tutorial as needed.

<b>Question #04</b>	<p>Most feedback loops in the body are _____ and an example of this is _____.</p> <p>A. positive, regulation of blood pressure. B. positive, oxytocin release during labor. C. negative, regulation of blood pressure. D. negative, oxytocin release during labor.</p>
<b>Feedback on Each Answer Choice</b>	<p>A. Incorrect! Regulation of blood pressure is controlled by a negative feedback loop.</p> <p>B. Incorrect! Most feedback loops in the body are negative.</p> <p>C. Correct! Most feedback loops in the body are negative, and blood pressure is regulated by a negative feedback loop.</p> <p>D. Incorrect! Oxytocin release during labor is controlled by a positive feedback loop.</p>
<b>Solution</b>	<p>Homeostasis is controlled, in most part, by complex negative feedback loops which serve to maintain the body at equilibrium.</p>

**Question No. 5 of 10**

**Instructions:** (1) Read the problem statement and answer choices carefully, (2) Work the problems on paper as needed, (3) Pick the answer, and (4) Review the core concept tutorial as needed.

<b>Question #05</b>	<p>The anatomical position is not described by which of the following descriptions?</p> <p>A. Standing with eyes facing forward. B. Head level and feet flat on the floor. C. Hands by the sides with palms facing back. D. Hands by the sides with palms facing forward.</p>
<b>Feedback on Each Answer Choice</b>	<p>A. Incorrect! This is a correct description of the anatomical position.</p> <p>B. Incorrect! Head level and feet flat is a correct description of the anatomical position.</p> <p>C. Correct! In correct anatomical positioning, the palms do not face backwards.</p> <p>D. Incorrect! Hands down by the sides with palms facing forward is correct positioning.</p>
<b>Solution</b>	<p>Review the picture of the anatomical position, and note palms face forward.</p>

**Question No. 6 of 10**

**Instructions:** (1) Read the problem statement and answer choices carefully, (2) Work the problems on paper as needed, (3) Pick the answer, and (4) Review the core concept tutorial as needed.

<p><b>Question #06</b></p>	<p>The navel is _____ and _____ to the tail bone.</p> <p>A. ventral, superior B. dorsal, inferior C. ventral, inferior D. dorsal, superior</p>
<p><b>Feedback on Each Answer Choice</b></p>	<p>A. Correct! The navel is ventral, or toward the belly, and superior, or toward the head compared to the tail bone.</p> <p>B. Incorrect! The navel is superior compared to the tail bone.</p> <p>C. Incorrect! The navel is superior compared to the tail bone.</p> <p>D. Incorrect! The tail bone is on the dorsal side of the body.</p>
<p><b>Solution</b></p>	<p>Ventral means toward the belly, dorsal means toward the back, superior means toward the head, and inferior means toward the feet.</p>

**Question No. 7 of 10**

**Instructions:** (1) Read the problem statement and answer choices carefully, (2) Work the problems on paper as needed, (3) Pick the answer, and (4) Review the core concept tutorial as needed.

<b>Question #07</b>	<p>The sagittal plane divides the body into _____.</p> <p>A. front and back. B. top and bottom. C. left and right. D. superior and inferior.</p>
<b>Feedback on Each Answer Choice</b>	<p>A. Incorrect! The coronal plane divides the body into front and back halves.</p> <p>B. Incorrect! The transverse plane divides the body into top and bottom halves.</p> <p>C. Correct! The sagittal plane divides the body into left and right halves.</p> <p>D. Incorrect! Superior and inferior are the same as top and bottom, which is divided by the transverse plane.</p>
<b>Solution</b>	<p>Be sure you review the parts of the body divided by each plane and how a planar section would look. Coronal, sagittal, and transverse are commonly used terms.</p>

**Question No. 8 of 10**

**Instructions:** (1) Read the problem statement and answer choices carefully, (2) Work the problems on paper as needed, (3) Pick the answer, and (4) Review the core concept tutorial as needed.

**Question #08**

Which of the following statements best describes the picture?



- A. Transverse.
- B. Coronal.
- C. Sagittal.
- D. None of the above.

**Feedback on Each Answer Choice**

A. Incorrect!  
A transverse section would be a crosssection of the abdomen.

B. Incorrect!  
A coronal section would be split side to side, not front to back.

C. Correct!  
This is a picture of a sagittal section of the human body.

D. Incorrect!  
All three planes are listed, the answer has to be one of them.

**Solution**

Think about the planes of the body and how they are broken up by the section. The picture above breaks up the body into left and right sides, so it is a sagittal section.

**Question No. 9 of 10**

**Instructions:** (1) Read the problem statement and answer choices carefully, (2) Work the problems on paper as needed, (3) Pick the answer, and (4) Review the core concept tutorial as needed.

<b>Question #09</b>	There is/are _____ type(s) of extracellular fluid.  A. One. B. Two. C. Three. D. Four.
<b>Feedback on Each Answer Choice</b>	A. Incorrect! There is more than one type of extracellular fluid.  B. Correct! Plasma and interstitial fluid are the two types of extracellular fluid.  C. Incorrect! There are only two types of extracellular fluid.  D. Incorrect! There are not four types of extracellular fluid.
<b>Solution</b>	Review the differences between intracellular and extracellular fluid.

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**Instructions:** (1) Read the problem statement and answer choices carefully, (2) Work the problems on paper as needed, (3) Pick the answer, and (4) Review the core concept tutorial as needed.

**Question #10**

The lining of the abdominal cavity is called the \_\_\_\_\_.

A. pericardium.  
B. pleura.  
C. peritoneum.  
D. mesenteric lining.

**Feedback on Each Answer Choice**

A. Incorrect!  
The lining of the heart is called the pericardium.

B. Incorrect!  
The lining of the lungs is called the pleura.

C. Correct!  
The serous lining of the abdomen is called the peritoneum.

D. Incorrect!  
The serous linings are not called mesentery; mesentery is the fat and connective tissue that attach to and support the abdominal organs.

**Solution**

Review the names of the linings of the cavities of the body, and which structures they are associated with.