

Systems of the Body Quiz

1. Which organ is most responsible for emotions?

- brain
- liver
- heart
- lungs

2. Which system produces the hormones that control bone growth and regulate muscle and nerve function?

- muscular system
- endocrine system
- circulatory system
- nervous system

3. Which note card best summarizes the important points in the article?

- a. The circulatory system includes the heart, blood, and blood vessels. Blood courses for many miles through the body. Blood delivers nutrients and oxygen to cells, which keeps an organism functioning at a high level.
- b. The systems of the body are interconnected, each part with a unique function: digestion, respiration, circulation, reproduction, and more. Each bodily system is made of microscopic cells. These cells, tissues, and systems function together as a single unit.
- c. The brain is the center of the body's command center. It is part of the nervous system, which also includes the spinal cord, nerve cells, and sense organs. The brain processes sensations and creates commands.

Which is right? Note Card 1

Note Card 2

Note Card 3

4. Which note card best summarizes the important points in the article?

- a.
 - The body's surface is made up of skin and mucous membranes.
 - There are trillions of cells in the body, as well as tissues and organs.
 - Inside the body are nerves, bones, blood cells, and yards of intestines.
- b.
 - Inside the body are cells; the nucleus of each cell contains genes.
 - Genes direct all chemical activity in the body.
 - Genes reside in chromosomes; there are 46 chromosomes in each cell.

- c.
 - There are four kinds of tissues: epithelial, muscle, connective, and nervous.
 - Nervous tissue consists of nerve cells, also called neurons.
 - Nerves conduct electromagnetic signals, which send information through the body.

Which is right? Note Card 1
 Note Card 2
 Note Card 3

5. What is a logical order for an outline about the bones of the vertebral column? ~~Drag each term or phrase into its correct position at left to organize the items in the proper sequence.~~

Number them in the correct order

Atlas Vertebrae

Vertebrae: Top to Bottom

Coccyx

Lumbar Vertebrae

6. Which two systems differ most between men and women?

- circulatory and lymphatic
- respiratory and digestive
- reproductive and endocrine
- skeletal and muscular

7. What might be a reason for different brain sizes?

- race
- intelligence
- body size
- gender

8. Which of these statements best describes the function of the heart?

- The heart acts as the seat of emotions and the soul.
- Veins carry blood toward the heart.
- The heart rhythmically fills and empties, sending blood to all the cells of the body.
- Scientists remain baffled by the heart and its purpose.

9. Which statement best summarizes this feature?

- Medieval writers found that people could be categorized by what they found humorous.
- Each humor symbolizes a personality disorder.
- Medieval doctors created a system that described illness as the imbalance of imaginary bodily fluids.
- The four humors were blood, phlegm, yellow bile, and black bile.

10. Which of the following sources would be the most reliable for researching a paper about body chemistry?

- a diet book about carbohydrates in food
- a research paper about genetic counseling
- a dating Web site called "Body Chemistry Works"
- an encyclopedia article about the periodic table

11. Growth hormone is produced by the (thyroid/pituitary/endocrine/throat) gland. Hormones produced by the thyroid gland regulate (growth/development/metabolism/activity). Estrogen and progesterone are (steroid/sex/male/female) hormones.

12. When a person has a fever, a shift in temperature is often caused by _____, substances that include bacteria, viruses, and protozoa.

- thermostats
- germs
- pyrogens
- analgesics

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