

Welland Gouldsmith Schools

Worksheet

Class: V

Subject: Science

Chapter: The Human Body – A Wonderful Machine

The skeleton is the framework of the body that supports the body, protects internal organs and gives the body shape and strength. All kinds of movement of the body and the body organs are brought about by contraction and relaxation of muscles. Muscles are of three types: Voluntary, Involuntary and Cardiac.

Nervous system controls all the activities of the body. The Central Nervous System consists of the brain, spinal cord and nerves. The brain and the spinal cord are the controlling organs whereas the nerves help to carry messages.

The brain has three main parts: Cerebrum, Cerebellum and the Medulla oblongata. The areas of speech, memory, intelligence etc are situated in the cerebrum. The cerebellum controls posture and balance while

(A) Choose the correct answer:

1. Movements of the human body are produced by the contraction and relaxation of:

- (a) nerves (b) cells (c) muscles

2. It helps in balancing our body and keeps upright position.

- (a) cerebrum (b) cerebellum (c) medulla oblongata

3. The brain, the spinal cord and the nerves together form our:

- (a) nervous system (b) skeletal system (c) muscular system

4. The backbone is made-up of 33 small bones called:

- (a) joints (b) ligaments (c) vertebrae

5. Muscles that work on our will are called:

- (a) Voluntary muscles (b) Involuntary muscles (c) cardiac muscles

B) Define the following terms:

- a) Vertebrae: _____
- b) Bone marrow: _____
- c) Voluntary muscles: _____
- d) Tendons: _____
- e) Floating ribs: _____

C) Give one function of the following:

- a) Ribs: _____
- b) Facial bones: _____
- c) Pivot joint: _____
- d) Red blood cells: _____
- e) Backbone: _____

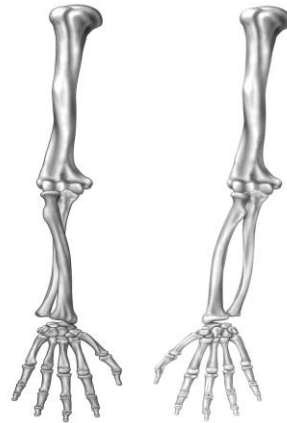
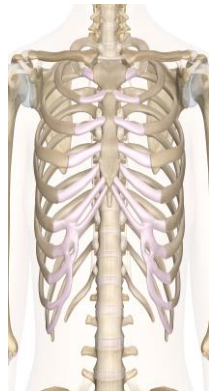
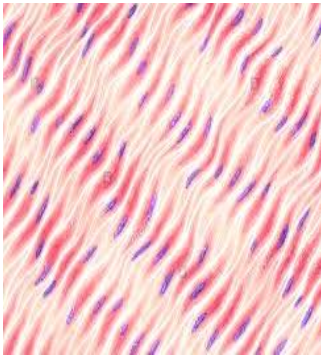
D) State true or False:

- a) The blood in the body is full of tiny holes -
- b) 4 facial bones form the face -
- c) There are 33 vertebrae in the backbone -
- d) Ligaments join muscles to bones -
- e) Reflex actions are controlled by the spinal cord -

E) Give two examples of the following:

- a) Voluntary muscles: _____
- b) Gliding joints: _____
- c) Pivot joint: _____
- d) Hinge joint: _____
- e) Ball and socket joint: _____

F) Identify the following:



a) _____

b) _____

c) _____



d) _____



e) _____

G) Answer the following questions:

- a) What is reflex action?
- b) What are the three parts of the brain? State one function of the brain.
- c) State two points of difference between Sensory nerves and Motor nerves.
- d) How do muscles work?
- e) State the number of bones in ribs, face, skull, vertebrae, skeleton.