

The Body and its Movement

Fill in the blanks: -

1. Teeth are fixed to the _____ bones.
2. _____ system helps in throwing out the waste from the body.
3. Backbone is also known as _____.
4. The framework of bones in the body is called _____.
5. Rib cage consists of _____ bones.
6. The skeleton of an adult human is made up of _____ bones.
7. Earthworms have _____ skeletons.
8. Blood cells are made in the _____.
9. _____ is a skeleton outside the body but is not made of bones.
10. A fish moves its tail in a _____ pattern.
11. Snails have eyes at the tip of their _____.
12. The earthworm's body is made up of several parts called _____.
13. The ends of our bones are covered with _____.

Define the following: -

Skeleton	Tissue	Vertebrae
Spinal cord	Cell	Organ system
Vertebral Column	Unicellular	Digestive system
Multicellular	Organ	Floating ribs
Cartilage	Ligaments	Tendons
Exoskeletons	Endoskeletons	Invertebrates

Answer in one word-

1. A group of cells which perform a special task- _____
2. Building blocks of life- _____
3. Bone protecting the brain- _____
4. Skull : Brain :: _____ : spinal cord
5. Organisms made up of one cell- _____
6. The soft substance inside the bone- _____

7. Organ system which is different in males and females- _____
8. Femur : legs :: _____ : hands
9. Bone protecting the heart- _____
10. Organisms made of more than one cell- _____
11. Humans :: nose :: Cockroaches : _____
12. The only movable bone in the skull- _____
13. Organ system which helps in breathing- _____
14. Shock absorber at the joints- _____
15. Shape which reduces the water resistance- _____
16. Humans: Feet :: Snails : _____
17. Spinal cord is an organ. Yes/ No- _____
18. Longest bone in the body- _____
19. Only bone in the body which is not connected to another bone- _____

Multiple choice questions-

1. Which of the following is not a tissue.
a) Blood b) Bone c) Muscle d) Kidney
2. One of the organs is not the part of the digestive system
a) Food pipe b) Stomach c) Small Intestine d) Pancreas
3. The number of bones upper part of the skull has
a) 9 b) 7 c) 8 d) 12
4. This bone supports the tongue and its muscles.
a) Skull b) Lower Jaw c) Hyoid d) Upper jaw
5. Almost all bones of this part of the skeleton are immovable.
a) Palms b) Feet c) Skull d) Vertebral column
6. Number of pair of legs cockroaches have
a) 2 b) 4 c) 3 d) 5
7. Which of these is not an endoskeleton
a) Crocodile b) Fish c) Parrot d) Cockroach

8. Which of these do not have a streamlined shape

- a) Boats b) Airplanes c) Ships d) Trains

9. Our shoulders and hips have these types of joints.

- a) Ball and socket b) Pivot joint c) Hinge joint d) Gliding joint

10. A hinge joint allows movement in

- a) All directions b) one direction c) Two directions d) None of these

Answer the following questions: -

1. Why does human body need framework of bones?
2. Name the four basic parts of the human skeleton?
3. Write a short note on the skull.
4. Name the various organ systems in our body.
5. What are the functions of a cartilage?
6. Why is it important for the lower jaw bone to be movable?
7. Write a short note on Hyoid.
8. Name two animals which do not have limbs.
9. Name the four freely movable joints.
10. What is the difference between a hinge joint and; a ball and a socket joint? Explain with an example.
11. What is mucus? How does mucus help in the movement of snails?
12. What are gliding joints?
13. What are the functions of a spine?
14. What is a streamlined shape. How does it help in the better movement?
15. What are the functions of a skeleton?
16. Write a short note on a rib cage.
17. Write a short note on the limbs.
18. What is the structure of bones in birds? How does it help them?
19. A child has more bones than an adult. What happens to the extra bones?
20. What are joints? Name the three types of joints.
21. Explain with the help of an example why at least two muscles are needed to move a bone from a joint in one direction?
22. What are x-rays? What are they used for?
23. What is bone marrow? What is its main function?

24. Can you think of muscles which have involuntary movement (we cannot control their movement). Name them.
25. Earthworms do not have bones. Then how do they move their bodies? Explain.

Write true or false and correct the incorrect statement: -

1. All human beings have the same organ systems.

2. Muscles can push and pull.

3. All animals have bones.

4. Snake has a backbone.

5. The body structure of an animal is related to the way in which it moves.

6. The wings of the birds are modified forelimbs.

Draw neat labelled diagrams

1. Skull
2. Rib cage