

SCIENCE

CHAPTER-8 BODY MOVEMENT

Exercises

Question 1:

Fill in the blanks:

- (a) Joints of the bones help in the _____ of the body.
 (b) A combination of bones and cartilages forms the _____ of the body.
 (c) The bones at the elbow are joined by a _____ joint.
 (d) The contraction of the _____ pulls the bones during movement.

Answer 1:

- (a) Joints of the bones help in the **movement** of the body.
 (b) A combination of bones and cartilages forms the **skeleton** of the body.
 (c) The bones at the elbow are joined by a **hinge** joint.
 (d) The contraction of the **muscle** pulls the bones during movement.

Question 2:

Indicate true (T) and false (F) among the following sentences.

- (a) The movement and locomotion of all animals is exactly the same. ()
 (b) The cartilages are harder than bones. ()
 (c) The finger bones do not have joints. ()
 (d) The fore arm has two bones. ()
 (e) Cockroaches have an outer skeleton. ()

Answer 2:

- (a) The movement and locomotion of all animals is exactly the same. (**False**)
 (b) The cartilages are harder than bones. (**False**)
 (c) The finger bones do not have joints. (**False**)
 (d) The fore arm has two bones. (**True**)
 (e) Cockroaches have an outer skeleton. (**True**)

Question 3:

Match the items in Column I with one or more items of Column II.

Column I

Upper jaw
 Fish
 Ribs
 Snail
 Cockroach

Column II

have fins on the body
 has an outer skeleton
 can fly in the air
 is an immovable joint
 protect the heart
 shows very slow movement
 have a streamlined body

Answer 3:

Column I

Upper jaw
Fish
Ribs
Snail
Cockroach

Column II

is an immovable joint
have fins on the body, have a streamlined body
protect the heart
shows very slow movement
has an outer skeleton, can fly in the air

Question 4:

Answer the following:

- (a) What is a ball and socket joint?
- (b) Which of the skull bones are movable?
- (c) Why can our elbow not move backwards?

Answer 4:

- (a) A ball and socket joint is a moveable joint. It has a rounded end of one bone fit into the cavity (hollow space) of the other bone. It allows movement in all directions. Example: shoulder joints.
- (b) Only the lower jaw in skull bones is movable.
- (c) Elbow joint is an example of hinge joint which allows only back and forth movements. Therefore, we cannot move our elbow backwards.

