

# CLASS NOTES

Class: VI

Topic: Chapter-8

Body Movements

Subject: Science

( To be done in Science notebook)

NCERT Exercise:

**Q4. Answer the following questions:**

**(a) What is a ball and socket joint?**

**Answer:** The rounded end of one bone fits into the hollow space of other bone. This is called ball and socket joint. Ball and socket joints allow movements in all the directions, e.g. shoulder and hip can be moved in all directions.

**(b) Which of the skull bones are movable?**

**Answer:** In skull, only lower jaw is movable.

**(c) Why can our elbow not move backwards?**

**Answer:** Our elbow cannot move backwards because the elbow has a hinge joint that allows movement in only one direction.

**Extra question and answer:**

**1. What are the different kinds of joints found in human body? Give example of each?**

**Answer-** Different types of joints found in human body are-

(a) Movable joint-

- (i) Ball and socket joint- between shoulder and upper arm
- (ii) Hinge joint-elbow and knee
- (iii) Pivot joint-between skull and spine

(b) Immovable joint- bone of skull and upper jaw

**2. What is ribcage? Describe its structure.**

**Answer-** The ribs are the curved bones connected to chest/breast bone , forming a cage –like structure called ribcage.

Structure of ribcage-

- (a) There are 2 pairs of bones.
- (b) One end of these bones join the back bone.
- (c) Other end of the bone joins the breast bone in the front.
- (d) The 2 pairs of ribs which are not attached to the breast bone are called floating ribs.
- (e) The function of ribcage is to protect our delicate organs like heart and lungs.

**3. What helps the bird to fly? Describe.**

**Answer-**

- (i) The birds can walk with 2 legs and can fly with wings.
- (ii) The bones of hind limbs help to walk and perch.
- (iii) While flying, the chest muscles help them to flap their wings.
- (iv) Their bones are hollow to make them light weight.

- (v) The forelimbs are modified into wings to fly.

#### 4. What are the functions skeleton system?

**Answer-** The human skeleton system is made up of 206 bones. Its function are-

- (i) Give support and proper shape to the body.
- (ii) Protect internal delicate organs like lungs, brain and heart.
- (iii) Makes movement possible.

#### 5. What is cartilage? Where is it found?

**Answer-** Cartilage- These are additional parts of the skeleton system, that are not as hard as bones and which can be bent.

It is a kind of soft and elastic bone present in following parts of the body-

- (i) It is present in the pinna of the ear.
- (ii) It is also present at the end of nose.
- (iii) Between vertebrae.
- (iv) Between all the joints.

### Home Work

1. Boojho fell off a tree and hurt his ankle. On examination the doctor confirmed that the ankle was fractured. How was it detected?

2. Earthworms are known as 'farmer's friends'. Why?

3. Bones are hard structures and cannot be bent. But, we can still bend our elbow, knee, etc. How is this possible?