



CLASS: VI DIVISION: _

SUBJECT: SCIENCE

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LS: 8. Body

Movements

I. Key words:

1. Gliding joint
2. hinge joints
3. cartilage
4. bones
5. contraction
5. relaxation
6. muscles
7. pivot joint
8. ball and socket joint.

Pre Activity-

Complete the table given in the text book

II. Q1. Short Answer Questions

1. What do you mean by movement?

Ans: The changing position of the body or any part of the body is called movement.

2. At which part does the arm rotate?

Ans: The arm rotates in the shoulder girdle.

3. If you tie a scale with your arm, are you able to bend your elbow?

Ans: No, we cannot bend our elbow.

4. Name the places where two parts of the body are seen to be joined together.

Ans: These places are called joint.

5. If there are no joints then will it be possible to move?

Ans: No, it is not possible.

6. Can bones be bent?

Ans: No, bones cannot be bent.

7. Which of the skull bones are movable?

Ans: Only the lower jaw in skull bones is movable.

Answer the following

1. What is a ball and socket joint?

Ans: 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.

2. Why can our elbow not move backwards?

Ans: Elbow joint is an example of hinge joint which allows only back and forth movements. Therefore, we cannot move our elbow backwards.

3. Why do we need two muscles together to move a bone?

Ans: A muscle can only pull, it cannot push. Thus, two muscles are required to work together to move a bone. When one muscle contracts, the bone is pulled. When another muscle of the pair pulls, it brings the bone in its original position.

4. How is a bird's body adapted for flying?

Ans: The following adaptations are seen in the body of birds.

- (i) Forelimbs are modified into wings
- (ii) Bones are hollow.
- (iii) Body is streamlined.

5. What are joints? Write the names of various types of joints.

Ans: The places where two parts of the body seem to be joined together are called joints. There are following types of joints:

- 1. Ball and socket joints
- 2. Hinge joints
- 3. Fixed joints
- 4. *Gliding joints*

6. Write the differences between bones and cartilage.

Bone	Cartilage
They are hard.	(i) They are soft.
They cannot bend.	(ii) They can bend.
They are used to make the Framework of whole body.	(iii) They help to make some parts of the body.

Post Activity-

Draw : Rib cage b) Ball and socket joint

