

**CLASS XI**  
**LOCOMOTION AND MOVEMENT**  
**WORKSHEET- 4**

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- 1       Locomotion is movement, but not all movements are locomotion. Justify.
  - 2       Which are the three types of movements exhibited by the cells of the human body?  
Mention which part of the body exhibits each movement.
  - 3       Make a table showing the different types of muscles, location and function.
  - 4       Muscle fibre is referred to as syncytium. Give reason.
  - 5       Name the two types of contractile proteins present in myofibril.
  - 6       With the help of neat labeled diagrams describe the structures of actin and myosin.
  - 7       Explain the mechanism of muscle contraction and relaxation.
  - 8       Differentiate between red fibres and white fibres.
  - 9       Design a flow chart depicting different bones in our skeletal system.
  - 10      Give an account of the vertebral column.
  - 11      What do you mean by true ribs and false ribs? What are floating ribs?
  - 12      Compare and contrast the structure of pectoral girdle and pelvic girdle.
  - 13      Name the three types of joints. Give one example of each.
  - 14      Write what happens in case of the following disorders:  
**a) Tetany**  
**b) Gout**
  - 15      Identify one age-related disorder of skeletal system. Write its characteristics.
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