

## The Skeletal and Muscular System

1. Bones are joined to other bones by ...
2. Name the type of joint at your elbow.
3. True or false. Tendons join muscles to bones.
4. Name a disorder other than cancer for each of the following and indicate a possible cause and a means of treatment:
  - a. Musculoskeletal system,
  - b. Nervous system.
5. Name a disorder of the musculoskeletal system. Give a possible cause of the disorder that you have named in (iii) and suggest a treatment for it.
6. State **two** functions of the human skeleton.
7. Name the part of the central nervous system that runs through the vertebrae.
8. The vertebrae form part of the axial skeleton. Name the vertebrae found in:
  - a. The neck,
  - b. The small of the back.
9. Give a function of ligaments.
10. Give a function of synovial fluid.
11. Give three roles of the skeleton.
12. Explain what is meant by the axial skeleton.
13. Suggest a treatment for a named disorder of the musculoskeletal system.
14. Give a function for each of the following:
  - a. Red marrow,
  - b. Cartilage,
  - c. Tendon.
15. Explain what is meant by an antagonistic muscle pair and give an example in the human body.
16. A tendon joins ..... to bone.
17. Write a short note (about five lines) on **one** of the following: arthritis or osteoporosis.
18. Where are the discs in the human backbone?
19. What is the function of the discs in the human backbone?
20. Give a role for **each** of the following in the human body: (i) Yellow bone marrow, (ii) Red bone marrow.

21. What structures attach a muscle to a bone?
22. Which upper arm muscle contracts to raise the lower arm?
23. What is meant by the term *antagonistic pair* in reference to muscles?
24. Name the type of joint at the elbow.
25. Apart from movement, give **one** other function of the skeleton.
26. Suggest **one** reason why the bones of birds are almost hollow.
27. Tendons attach bone to bone. **T or F**