

**UNIT 2 - MUSCULOSKELETAL SYSTEM**  
**SKELETAL SYSTEM**

Answer the questions.

1. How many bones is the skeletal system composed of?
2. The skeleton can be divided into two main groups of bones - name them. How many bones and which bones do both groups consist of?
3. Which is the largest bone of the human body? Where is it located?
4. Which are the smallest bones? Where are they located?

Complete the sentences.

5. \_\_\_\_\_ are the primary organs of the skeletal system, they provide shape and support, and protection for internal organs.
6. A \_\_\_\_\_ is an articulation, a place where two or more bones connect.
7. Bone marrow in the larger bones is responsible for \_\_\_\_\_ (= blood cell formation)

8. Put the names of the bones into correct places:

carpals, sternum, femur, clavicle, ilium, tarsals, humerus, xiphoid process, metacarpals, sacrum, ribs, metatarsals, patella, ulna, scapula, radius, fibula, phalanges(2x), rib cartilage, coccyx, tibia

| Shoulder girdle | Bones of the arm | Bones of the leg | Bones of the ankle and foot | Bones of the chest     | Bones of the hip and pelvis | Bones of the wrist and hand |
|-----------------|------------------|------------------|-----------------------------|------------------------|-----------------------------|-----------------------------|
| _____           | _____            | _____            | _____                       | <u>xiphoid process</u> | _____                       | _____                       |
| _____           | _____            | _____            | _____                       | _____                  | _____                       | _____                       |
| _____           | _____            | _____            | _____                       | _____                  | _____                       | _____                       |

**MUSCULAR SYSTEM**

Answer the questions.

9. How many muscles are there approximately in the body?
10. How are muscles classified?
11. Which muscles are voluntary and which are involuntary?
12. What are muscles composed of?

13. Match the terms with their definitions:

|                    |  |  |
|--------------------|--|--|
| I. OSTEOMAS        |  | A. removal of a limb                       |
| II. SCOLIOSIS      |  | B. an inflammation of the bone marrow      |
| III. AMPUTATION    |  | C. a breakage of bone                      |
| IV. BONE GRAFTING  |  | D. benign or malignant bone tumours        |
| V. LORDOSIS        |  | E. plastic surgery of the bones            |
| VI. FRACTURE       |  | F. transplantation of bone                 |
| VII. OSTEOMYELITIS |  | G. a lateral curvature of the spine        |
| VIII. OSTEOPLASTY  |  | H. a forward curvature of the lumbar spine |

