Skeletal System worksheet

Name_____

Section A: Intro to Skeletal System

The skeletal system performs vital functions that enable us to move through our daily lives.

- Support - The skeleton provides support and shape to the body.
- Movement – Bones enable body movements by acting as levers and points of attachment for muscles.
- Protection - The skeleton protects vital organs from damage, encasing them within hard bones.
- Blood Cell Production – The production of blood cells (hematopoiesis) occurs in the red marrow.
- Storage - Bones serve as a reservoir for calcium and phosphorus which is essential for cellular activities.

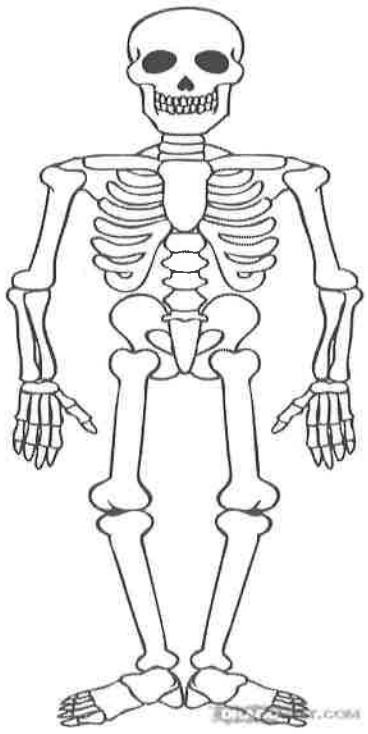
1. How are bones involved with body movement? _____
   _____
2. Why is protection and support of the skeletal system a vital function? _____
   _____
3. What is hematopoiesis and where does it occur in the bone? _____
   _____
4. What minerals are stored in bones? _____

Section B: Functions & Classification

1. Explain how the skeletal system performs the following functions.

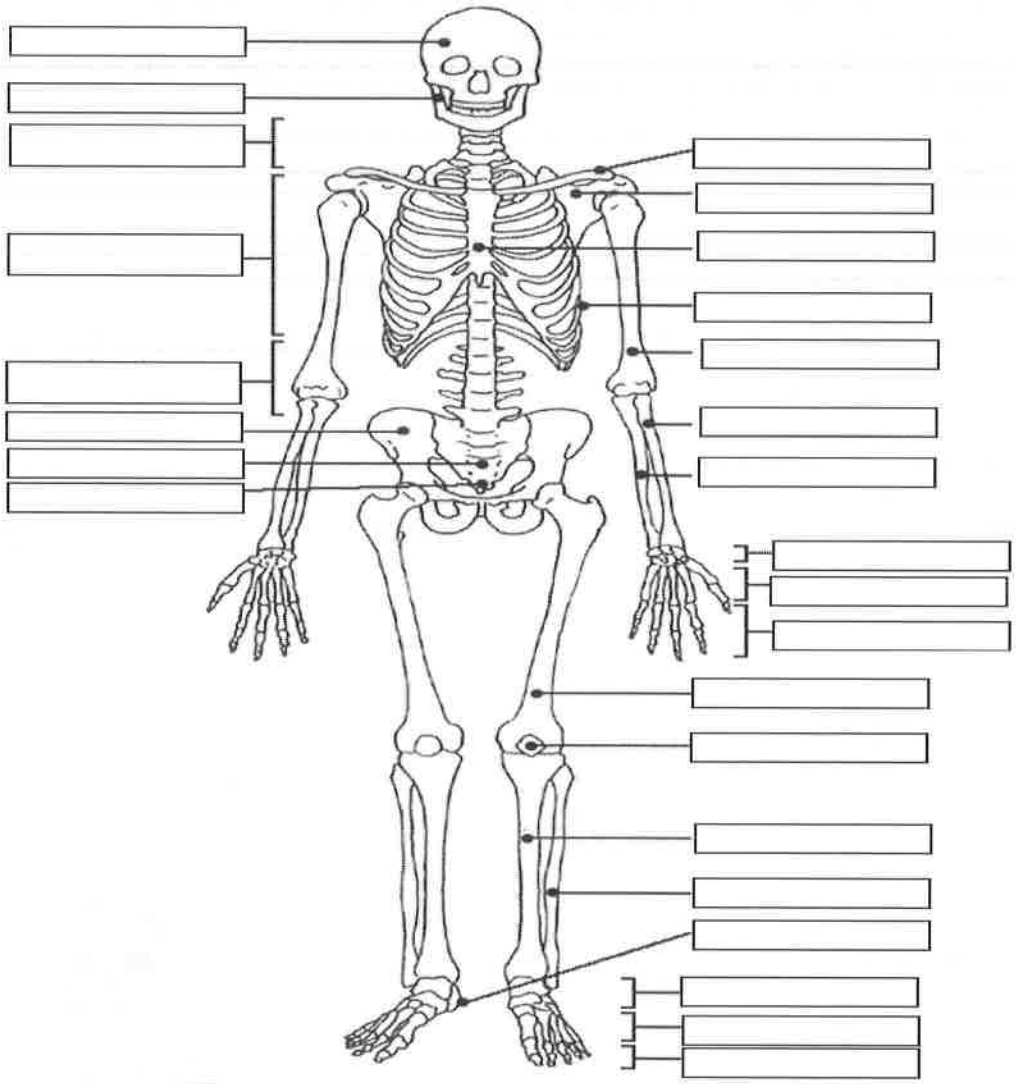
Function	Explanation
Support	
Protection	
Movement	
Storage	
Hematopoiesis	

2. How many bones are located in an adult human skeleton?
   _____
3. Which bones form the axial skeleton? _____
   _____
4. Which bones form the appendicular skeleton? _____
   _____
5. Color the appendicular skeleton **BLUE** and the axial skeleton **RED**.



➢ Use this link to help learn the bones of the skeleton.
https://www.wisc-online.com/learn/health/medical-assistant/mea304/the-skeleton--bones---joints

6. Label the bones on the skeleton. sacrum, coccyx, pelvis, cervical vertebrae, thoracic vertebrae, lumbar vertebrae, cranium, mandible, humerus, ribs, sternum, clavicle, scapula, radius, ulna, carpals, phalanges, metacarpals, femur, tibia, fibula, patella, tarsals, metatarsals, calcaneus, phalanges



7. Fill in the missing information on the chart.

Bone	Type of bone: Long, Short, Flat, Irregular	Skeletal Division: Appendicular or Axial
Carpals		
Skull		
Humerus		
Pelvis		
Scapula		
Ulna		
Vertebrae		
Ribs		
Metatarsals		

8. What are the functions of bone markings? _____

_____