

Systems of the Human Body: Skeletal System

Functions of the Human Skeleton

| Suggested Responses



Comprehension Questions

1. c) 206
2. Bones, muscles and tendons work together to produce movement. As the **muscles** contract, the **tendons** pull on the **bones**, turning relatively small movements into powerful motion.
3. c) musculoskeletal system.
4. True
5. d) compact bone.
6. The tissue inside bones where red and white blood cells are produced is called bone marrow.
7. Calcium; phosphorus
8. Shape; movement; protection; blood cell production; mineral storage

The extension activities that accompany this video are designed to both consolidate and assess learners' understanding of the content. In addition to this, they contain unique opportunities for teachers to measure learners' capabilities in the following areas:


 Critical & Creative Thinking

The Musculoskeletal System

Student responses will vary, however they could resemble the following sample response using template 2:

Musculoskeletal system	
Shape	206 bones Strong and sturdy
Movement	Muscles and bones Tendons to join them Stability and power
Protection	Collagen for flexibility Calcium and phosphate for hardness Compact and sponge bones
Blood cell production	Bone marrow Red and white blood cells Platelets for clotting
Mineral storage	Calcium and phosphorus Calcium for muscles e.g. heart Phosphorus for bones, teeth and energy storage

Additionally, student responses should reflect the following:

-  Student responses should demonstrate a critical examination of their own and others' thinking processes in the development of an effective conceptual diagram of the functions of the human skeleton.

Transcript – For student and teacher use.