

Name: \_\_\_\_\_

Coach: \_\_\_\_\_

Period: \_\_\_\_\_

## Skeletal Assignment Quiz -

### Functions of the skeleton

The functions of the human skeleton are:

#### Shape and Structure

The skeleton gives the body shape and structure. Without it we would just be a blob!

#### Protection

The human skeleton provides protection for major organs. For example, the chest (rib cage) protects internal organs such as the heart and lungs. The skull protects the brain.

#### Movement

Muscles attach to bones via tendons to enable movement. When muscles contract, they exert force on bones, and as a result, you move!

#### Produce Blood Cells

The skeleton produces red and white blood cells within the bone marrow. Bone marrow is a spongy substance in the cavities of long bones. Red blood cells carry oxygen around the body which is important in the production of energy.

White blood cells are important for fighting disease and infection. Platelets aid blood clotting when the skin is damaged.

#### Storage

Storage of calcium and phosphorus. These minerals make bones and teeth strong.

Which are 3 functions of the skeletal system?

- Posture & shape
- Spiral fracture prevention
- Co-ordination
- Produce red blood cells

Which is NOT a function of the skeletal system?

- Prevent nerve transmission
- Red Blood Cell production
- Movement
- Posture
- Support
- Mineral storage

Which mineral is needed for bone formation?

- Calcium
- Carbonate
- Zinc
- Copper

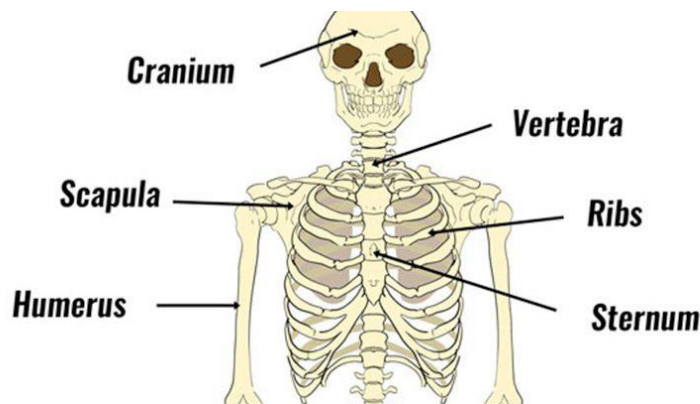
How many bones are found in the adult human body? \_\_\_\_\_

Which two answers are part of the skeletal functions?

- Mineral storage
- Protection
- Protein development
- Storing blood

\_\_\_\_\_ are important for fighting disease and infection.?

## The Human Skeleton



**The human skeleton diagram comprises 206 bones. The functions of the skeleton are to provide support, give our bodies shape, provide protection, movement, and produce red blood cells.**