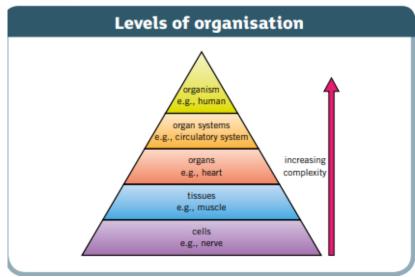
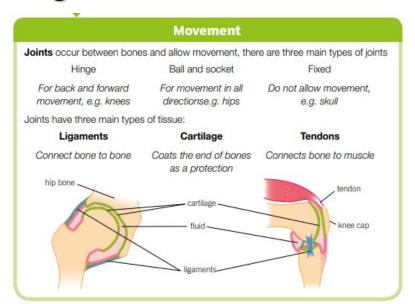


Knowledge Organiser: 8.1 Movement





Muscles

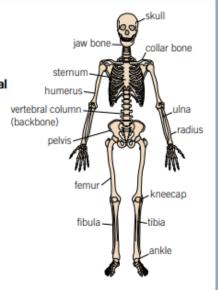
- Muscles are a type of tissue which allows movement
- They pull on tendons which in turn pull on bones to allow movement
- Muscles like the triceps and biceps are known as antagonistic muscle pairs, they work together
 –as one contracts, the other will relax

Organs

- An organ is a group of tissues that have the same function
- They can work with other organs in an organ system, such as the respiratory system which uses organs like the heart and lungs to transfer oxygen around the body
- Vital organs are the organs that need to keep functioning for an organism to stay alive, e.g. the heart

The skeleton

- The skeleton is made up of 206 bones which are a type of tissue
- Bones have a blood supply and are a living tissue
- The skeleton is part of the muscular-skeletal system
- . The four main functions of the skeleton are:
 - To support the body to keep you upright and hold organs in place
 - Protect organs such as the skull protecting the brain
 - Movement by working with muscles to allow you to move
 - Making blood cells the bone marrow produces red and white blood cells



Key Terms (To learn)

Antagonistic muscle pair

Bone

Bone marrow

Cell

Cartilage

Joints

Ligaments

Muscular skeletal system

Organ

Organism

Organ system

Skeleton

Tissue

Tendons