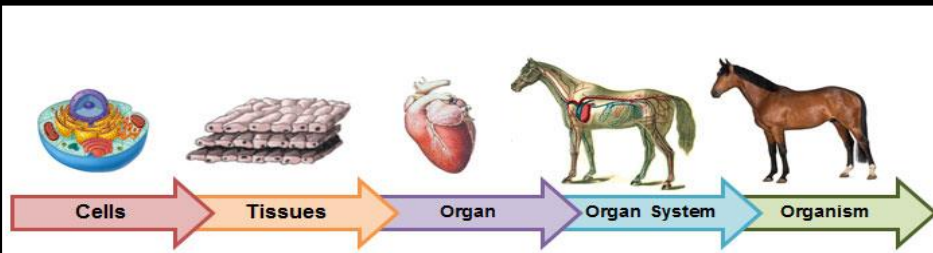


**1 Keywords**

<b>Bone marrow</b>	Tissue found inside some bones where new blood cells are made.
<b>Joint</b>	Places where bones meet.
<b>Hinge joint</b>	A joint that can move back and forth – no turning E.g. Elbow, knee.
<b>Ball and socket joint</b>	A joint where the limb can rotate – can turn. E.g. shoulder, hip.
<b>Ligament</b>	Ligaments connect bones in joints.
<b>Tendon</b>	Tendons connect muscles to bones.
<b>Antagonistic muscle</b>	Antagonistic muscle pair: Muscles working in unison to create movement.
<b>Cartilage</b>	Cartilage is smooth tissue found at the which reduces friction between them.
<b>Fracture</b>	Break in the bone, can be a simple fracture or a compound fracture.

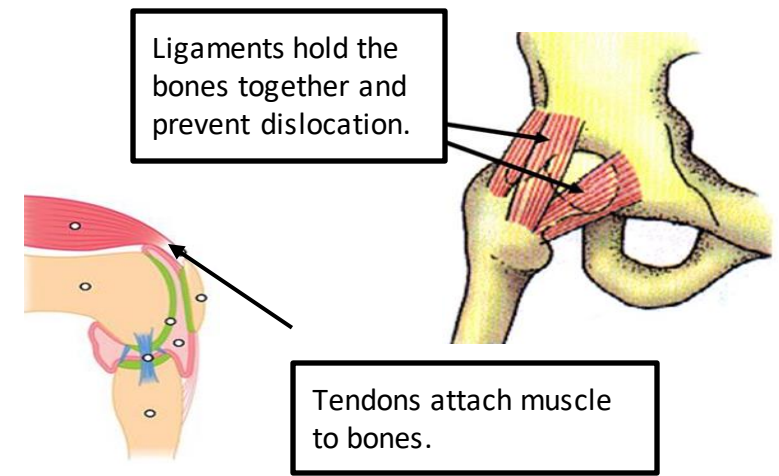
**4. Organisation order smallest to largest:  
Cell / tissue / organ / organ system / organism.**



**2 . Main bones in the body**

<b>Cranium</b>		Protects the brain
<b>Jaw</b>		
<b>Clavicle</b>		Protects heart & lungs
<b>Scapula</b>		
<b>Sternum</b>		Protects spinal cord
<b>Ribs</b>		
<b>Vertebrae</b>		
<b>Humerus</b>		
<b>Radius</b>		
<b>Ulna</b>		
<b>Pelvis</b>		
<b>Femur</b>		
<b>Tibia</b>		
<b>Fibula</b>		


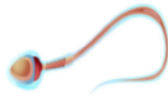
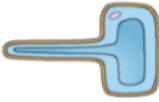



**3. Tendons and Ligaments**



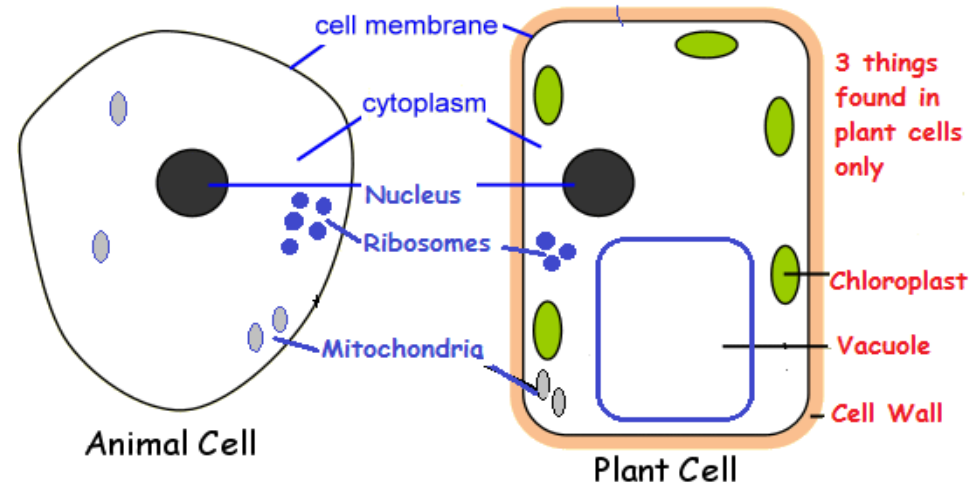
## 5 Keywords

<b>Cell</b>	The unit of a living organism, contains parts to carry out life processes.
<b>Uni-cellular</b>	Living things made up of one cell.
<b>Multi-cellular</b>	Living things made up of many types of cell.
<b>Tissue</b>	Group of cells of one type.
<b>Organ</b>	Group of different tissues working together to carry out a job
<b>Diffusion</b>	The movement of substances from an area of high concentration to an area of low concentration

## 7. Specialised cells – designed for a specific function

Red blood cell	Sperm cell	Root hair cell
		
Palisade cell	Nerve cell	Egg cell
		

## 6 Animal cells and plant cells



## 8 Organelles and their function:

<b>Cell membrane</b>	Controls the movement of substances in and out of the cell.
<b>Nucleus</b>	Contains genetic material (DNA) which controls cell's activities.
<b>Cytoplasm</b>	Jelly-like substance. Chemical reactions occur here.
<b>Mitochondria</b>	Where energy is <u>released</u> through respiration.
<b>Ribosomes</b>	Where proteins are made.
<b>Cell wall</b>	Strengthens the cell (made of cellulose)
<b>Chloroplast</b>	Absorbs light energy so the plant can make food through photosynthesis.
<b>Vacuole</b>	Contains liquid, and can be used by plants to keep the cell rigid and store substances.