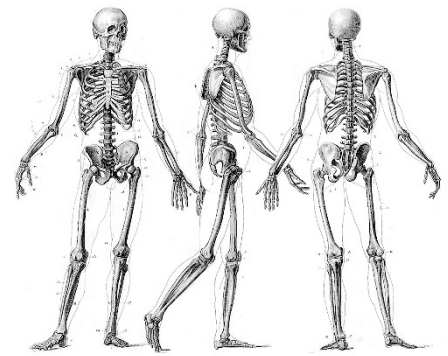


Unit Overview – Organisms 1

Target grade for tests:

You will learn about:

- The skeleton
- Muscles
- Cells
- How cells work for an organism



You will be able to:

- Construct explanations

| Key learning points | | Key Words |
|--|--|---|
| Identify the bones of the skeleton and describe their roles. | | Joints Bone marrow Ligaments Tendons Cartilage Antagonistic muscle pair Cell Uni-cellular Multi-cellular Tissue Organ Diffusion Structural adaptations Cell membrane Nucleus Vacuole Mitochondria Cell wall Chloroplast Cytoplasm Reproductive Immune Digestive Circulatory Respiratory Muscular |
| Describe the roles of joints, muscles, tendons and ligaments in movement. | | |
| Explain how some medical conditions affect the skeleton. | | |
| Define the terms tissues, organs and organ systems. | | |
| Explain the effect of drugs on organs and systems. | | |
| Describe and compare the structures found in animal and plant cells. | | |
| Explain how to use a microscope. | | |
| Identify examples of specialised plant and animal cells. | | |
| Recognise different types of unicellular organisms and functions. | | |
| Skills: construct explanations | | |
| <p>Links to other subjects:</p> <p>SMSC</p> <ul style="list-style-type: none"> • Understanding how advances in microscope technology is useful to society. <p>Numeracy</p> <ul style="list-style-type: none"> • Relate drawings to three dimensional phenomena. • Understanding scale and magnification. <p>Literacy</p> <ul style="list-style-type: none"> • Developing explanations using key terminology. | | |