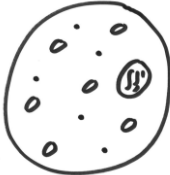
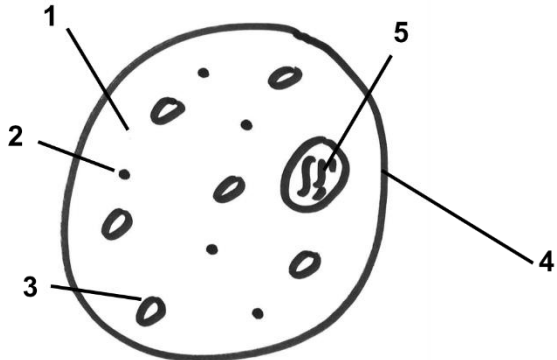

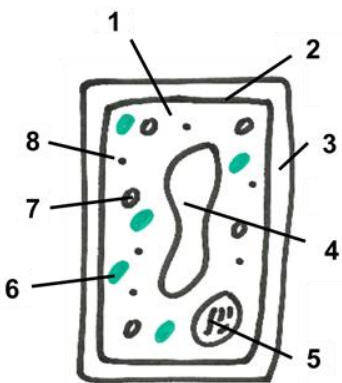


Year 7 Cells FACT SHEET

| Alive or not alive | |
|---|--|
| <p>1. Name the 7 things living organisms can do</p> | <ul style="list-style-type: none"> • Move • Reproduce (make babies) • Sense things • Grow • Respire (release energy) • Excrete (remove waste from cells) • Feed |
| Animal and plant cells | |
| <p>1. What are all living organisms made of?</p> | Cells |
| <p>2. What type of cell is shown in the diagram?</p>  | Animal cell |
| <p>3. Name the parts of the cell (5)</p>  | <ol style="list-style-type: none"> 1. Cytoplasm 2. Ribosome 3. Mitochondria 4. Cell membrane 5. Nucleus |
| <p>4. Name the type of cell below</p>  | Plant cell |
| <p>5. Name parts of the cell</p>  | <ol style="list-style-type: none"> 1. Cytoplasm 2. Cell membrane 3. Cell wall 4. Vacuole 5. Nucleus 6. Chloroplast 7. Mitochondria 8. Ribosome |

Year 7 Cells FACT SHEET

| | |
|---|---|
| 6. List 3 parts a plant cell has that an animal cell doesn't have | <ul style="list-style-type: none"> • Chloroplast • Cell wall • Vacuole |
| 7. State the function of the nucleus | Controls the cell |
| 8. State the function of the cell membrane | Controls the passage of substances into and out of cells |
| 9. State the function of the cytoplasm | Where most chemical reactions take place |
| 10.State the function of the mitochondria | Releases energy (in respiration) |
| 11.State the function of the ribosomes | Make (synthesise) protein |
| 12.State the function of the chloroplast | Make food/ sugar (in photosynthesis) |
| 13.State the function of the vacuole | Filled with cell sap |
| 14.State the function of a cell wall | Supports the cell |
| Microscopes | |
| 1. Name the piece of equipment we use to look at cells | Microscope |
| 2. Why do we have to add a stain onto cells before looking at them under the microscope | So we can see different parts |
| Specialised cells | |
| 1. Give 2 adaptations of a sperm cell | <ul style="list-style-type: none"> • Tail to swim to the egg • Lots of mitochondria to release energy to move |
| 2. Give 2 adaptations of a muscle cell | <ul style="list-style-type: none"> • Lots of mitochondria to release energy for contraction • Lots of ribosomes (muscles are made of protein) |
| Organisation | |
| 1. What do we call living things? | Living organisms |
| 2. What do we call a group of similar cells doing the same function (job)? | Tissue |
| 3. What do we call a group of tissues which work together to do a function ? | Organ |
| 4. What do we call a group of organs which work together to do a life process? | Organ system |