Parts of an Animal Cell

Below is a diagram of an animal cell. Label the parts of the cell. For assistance, turn to page 27 in BC Science 8.



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| Organelle | Function | Diagram/Description |
| Endoplasmic reticulum | Transports proteins | Network of folded channels |
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| Organelle | Function | Diagram/Description |
| Endoplasmic reticulum | Transports proteins | Network of folded channels  |
| Cell membrane | Protects the cell and controls the movement of particles into and out of the cell | Surrounds the cell |
| Cell wall | Protects the cell and gives the cell a regular, box-like shape | A tough, rigid structure that surrounds the cell membrane |
| Cytoplasm | Contains organelles, water, and other life-supporting materials | Jelly-like substance |
| Nucleus | Controls all the activities within a cell | Contains DNA |
| Mitochondrion | Produces energy | Has an inner and outer membrane |
| Chloroplast | Traps energy from the Sun and changes it into chemical energy | May be a greenish colour |
| Vacuole | Temporarily stores substances and regulates water  | Larger in plant cells |
| Vesicle | Moves materials into, out of, and around the inside of the cell | A membrane-bound sac that is smaller than a vacuole |
| Golgi body | Packages some materials for transport inside the cell or for transport out of the cell | Packs proteins into vesicles |
| Lysosome | Helps the cell break down large particles and old worn-out cell organelles | Contains digestive enzymes |
| Ribosome | Assemble proteins | Some float in cytoplasm and some are attached to endoplasmic reticulum |