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| * Strong, stiff outer layer of a plant cell. * Made of cellulose. * Protects and supports the cell. * Does allow water, oxygen, carbon dioxide and other dissolved materials to pass in and out of the cell. |  | * Clear, tubular passageways that lead out of the nuclear membrane. * Transportation system of the cell. * Carries proteins around and out of the cell. |
| * Thin membrane that surrounds the cell. * In plant cells, it is found just inside the cell wall. * It is the outer covering of animal cells. * Provides support and protection for the cell. * Allows materials to pass in and out of the cell. * Often called a plasma membrane | http://biologypop.com/wp-content/uploads/2013/06/golgicomplex.jpg | * Round, grain-like bodies. * Mostly found attached to the endoplasmic reticulum, but can be found floating freely in the cytoplasm. * Made primarily of RNA. * Are the protein-making sites of the cell. |
| * A large, oval structure. * Known as the control center of the cell. * Acts as the “brain” of the cell by regulating or controlling all of the activities of the cell. | Image result for nucleus images for kids | * Consists of folded membranes that look like a stack of pancakes. * Modifies proteins, transports lipids and creates lysosomes. |
| * Thin membrane that surrounds the nucleus. * Allows materials to pass in and out of the nucleus. | Image result for nucleus images for kids  Outer layer | * Rod-shaped structures. * Called the “powerhouses” of the cell. * They supply energy for the cell by breaking down sugar into water and carbon dioxide. * Some very active cells that require a lot of energy, like liver cells, may have more than 1000 mitochondria. |
| * A “little nucleus” inside the nucleus. * Produces ribosomes which are involved in protein production. | Image result for nucleus images for kids  Entire structure | * Water-filled sacs. * Plant cells usually have one large vacuole. * Animal cells have a few small, round vacuoles. * Store water, food, waste and other materials. |
| * Thick, rod-like structures found in the nucleus that are made of nucleic acids or DNA and RNA. * Direct all cell activities, including growth and reproduction. * Pass on the traits of the cell. | Image result for cell membrane image no label | * Small, round structures. * The “cleanup crews” of the cell. * Digest food, old cell parts and even whole damaged or dead cells. |
| * Clear, thick, jellylike substance found between the cell membrane and the nucleus. * Protects and supports the organelles and moves materials around inside of the cell. * Is constantly flowing within the cell. | Image result for cell wall image no label | * Large, irregularly shaped green structures. * Contain chlorophyll which captures the energy of sunlight and makes food for the cell through photosynthesis. |
|  | Image result for cell wall image no label | http://cronodon.com/files/Cell_ER_medium.jpg |
| Image result for endoplasmic reticulum image |  | http://www.clccharter.org/aa/projects/newmedicalproject2011/images/cytoplasm.png |
|  | http://bms.westfordk12.us/pages/teams/7green/cells/GroupE/images/lysosome.jpg |  |