ORHS Biology CELLS VOCABULARY

DOC #: V-2

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*You must complete the missing definitions and word parts. You should use the memory clues and pictures to study.*

|  |  |  |  |
| --- | --- | --- | --- |
| Cell (8) | Organelle (72) | Cell Theory (71) | Prokaryote (72) |
| Definition:  **Word Part**  -cell- \_\_\_\_\_\_\_\_\_\_\_\_\_ | Definition:  **Word Part**  -elle \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | The Cell Theory States that: 1) All organisms are made of cells  2) All existing cells are produced by other living cells.  3) Cell is the most basic unit of life. | Definition:  **Word Part**  pro- \_\_\_\_\_\_\_\_\_\_\_\_\_\_  -kary- \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| [http://www.nature.com/scitable/content/ne0000/ne0000/ne0000/ne0000/14704902/U1CP1-5_ProkvsEukCell_ksm.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCJqCrabv9scCFQR-kgodiAkKEw&url=http://www.nature.com/scitable/topicpage/what-is-a-cell-14023083&bvm=bv.102537793,d.aWw&psig=AFQjCNEW06FIcKayAp6gTeaYRTlPJtHmXg&ust=1442331924540799) | *Little Organs!* | *[http://2.bp.blogspot.com/-r7UkK9-hSj8/TyUlAMqP3bI/AAAAAAAAFE4/3Blk4yE4kjE/s1600/prokaryote.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCKaXxKz49scCFRN8kgodRq0EEw&url=http://vudeevudeewiki.blogspot.com/2012/01/characteristic-of-energy-matter.html&bvm=bv.102537793,d.aWw&psig=AFQjCNErY2tpSzHd_VrnBdT9A-TnimJnjQ&ust=1442334350041757)PRO means NO- NO Nucleus, Organelles, etc* |
| Eukaryote (72) | Nucleus (75) | Nucleolus (75) | Chromatin (135) |
| Definition:  **Word Part**  eu- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  -kary- \_\_\_\_\_\_\_\_\_\_\_\_\_ | Definition:  **Word Part**  nuc- \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Definition:  **Word Part**  nuc- \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Definition: |
| *yoU are a eU-karyote!*  [http://www.historyoftheuniverse.com/images/eukaryote.png](http://www.historyoftheuniverse.com/index.php?p=mitochon.htm) | *[http://wahs-biology.wikispaces.com/file/view/nucleus.JPG/80897021/355x256/nucleus.JPG](http://www.thinglink.com/scene/586924171531911168)Like a… Brain or Boss* | [http://bms.westfordk12.us/pages/teams/7green/cells/grouph/images/Nucleolus](https://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCM7NiIP59scCFccYkgodYuIBRw&url=https://prezi.com/t2mxleusqnyr/nucleus-and-nucleolus/&bvm=bv.102537793,d.aWw&psig=AFQjCNG3yEOlEZ72p_VBiaOf78f86rbvQw&ust=1442334535921005) | [http://www.biology4kids.com/files/art/cell_nucleus1.png](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCNCIqdX59scCFQtIkgodkrUCFA&url=http://www.biology4kids.com/files/cell_nucleus.html&bvm=bv.102537793,d.aWw&psig=AFQjCNHSLlxinokd_LyKrvDPscD398sIng&ust=1442334688940488) |
| Lysosome (78) | Cytoplasm (72) | Cell Wall (79) | Cytoskeleton (73) |
| Definition:  **Word Part**  lys- \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Definition:  **Word Part**  cyt- \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Definition: | Definition:  **Word Part**  cyt- \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| *Like a… GARBAGE DISPOSAL*  [http://www.biology4kids.com/files/art/cell_lysosome2.png](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCIu6y7z89scCFUyLkgodOQYL6w&url=http://www.biology4kids.com/files/cell_lysosome.html&bvm=bv.102537793,d.aWw&psig=AFQjCNHYezsbHd6wu9ZexT6PwrtPGEBhjw&ust=1442335025419952) | [http://na.signwiki.org/images/public/thumb/5/5f/Cytoplasm-illustration.jpg/250px-Cytoplasm-illustration.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCPzsqu_89scCFYRUkgodPVsETA&url=http://na.signwiki.org/index.php/Cytoplasm&bvm=bv.102537793,d.aWw&psig=AFQjCNHpXmu97O0mN0AkmMRj85CSrDHzHg&ust=1442335574584124) | [http://bms.westfordk12.us/pages/teams/7green/cells/grouph/images/plantcell%20cellwall](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCNb2q_qJ98cCFRJ-kgodjTUNKg&url=http://bms.westfordk12.us/pages/teams/7green/cells/grouph/Hcellwall.html&bvm=bv.102537793,d.aWw&psig=AFQjCNHXKRJ3Y6vFI006jB_wO6aNkk5Xcw&ust=1442339071560627)*Like a… Fence* | [https://sophialearning.s3.amazonaws.com/packet_logos/19445/grid/cytoskeleton.png?1323793002](https://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCMfA6oeL98cCFc97kgodmoQAYw&url=https://www.sophia.org/concepts/cytoskeleton&bvm=bv.102537793,d.aWw&psig=AFQjCNGaWERSGvnaldE4uC7LtyiWcYIscg&ust=1442339377645075)*\*Includes Microtubules and Microfilaments* |
| Golgi Apparatus (76) | Cell Membrane (81) | Endoplasmic Reticulum | Mitochondria (77) |
| Definition: | Definition: | Definition: | Definition: |
| [http://wiki.hicksvilleschools.org/groups/hsbiology/wiki/a67fa/images/4ca7d.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCL_3r9OL98cCFdgbkgod-HwDmg&url=http://totallyradscience.wikispaces.com/Golgi%2BApparatus&bvm=bv.102537793,d.aWw&psig=AFQjCNGqFNmXqQZibbw38E27Daij1QGCqg&ust=1442339539903103)*Like a… Post Office* | [http://organelleofaeukaryoticcell.weebly.com/uploads/1/3/7/6/13769126/3882219_orig.jpg?1355242526](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCL7i1bSN98cCFYZXkgod7ssFLQ&url=http://organelleofaeukaryoticcell.weebly.com/cell-membrane.html&bvm=bv.102537793,d.aWw&psig=AFQjCNHv9rQcxtP2CRAKePaOmVCGIuL5CQ&ust=1442339600859370)*Like a… Body Guard* | *Like a… Highway*  [http://cronodon.com/files/Cell_ER_labeled.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCPWP-vaN98cCFQQ6kgodsoUIIQ&url=http://www.enotes.com/homework-help/smooth-endoplasmic-reticulum-use-functions-golgi-502136&bvm=bv.102537793,d.aWw&psig=AFQjCNFXSRNqi0FMueSF69iZApC8FM4DIg&ust=1442340151543463) | *Like a… Powerhouse!*  [http://www.physiologymodels.info/metabolism/ETSOXPHOS/Mitochondrion.gif](http://www.physiologymodels.info/metabolism/ETSOXPHOS/ets.htm) |
| Chloroplast (79) | Vacuole (77) | Ribosomes (76) | Endosymbiotic Theory |
| Definition:  **Word Part**  chlor- \_\_\_\_\_\_\_\_\_\_\_\_\_ | Definition: | Definition: | Definition: The theory that mitochondria and chloroplast were once simple prokaryotic cells that were engulfed by larger prokaryotes, and evolved into organelles.  **Word Part**  endo \_\_\_\_\_\_\_\_\_\_\_\_\_\_  sym \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| *Like a… Bakery*  [http://www.artinaid.com/wp-content/uploads/2013/04/Structure-of-Chloroplasts.gif](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCNfms4-P98cCFVB7kgod3lsNIw&url=http://www.artinaid.com/2013/04/chloroplasts-what-are-and-what-they-are-made%E2%80%8B%E2%80%8B-of/&bvm=bv.102537793,d.aWw&psig=AFQjCNGSfT6LmKmx0y_Rn0dqIncYVz1kCg&ust=1442340471519108) | [https://sophialearning.s3.amazonaws.com/packet_logos/17926/grid/centralvacuole.jpg?1322611883](https://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCPSO18WP98cCFcJ_kgodlvwB_A&url=https://www.sophia.org/concepts/central-vacuole&bvm=bv.102537793,d.aWw&psig=AFQjCNHifUfTPjdvjkVYJZVbWhd1Cq_C6w&ust=1442340557284465)*Like a… Storage Tank* | [http://unlockinglifescode.org/sites/default/files/ribosome_lg.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCLG5v_CP98cCFcIGkgodc28Lww&url=http://www.iconshut.com/ribosomes-%26-endoplasmic-reticulum-icons/dT1hSFIwY0RvdkwyMWxaR2xoTFRJdWQyVmlMbUp5YVhSaGJtNXBZMkV1WTI5dEwyVmlMVzFsWkdsaEx6YzVMekV4TnpJM09TMHdOVEF0TTBGRk1FWXdNRVl1YW5Cbnx1cj1odHRwOi8vY2hhcmxpZWdhcnRvbi5ibG9nc3BvdC5jb20vMjAxMC8wMS9yaWJvc29tZXMtZW5kb3BsYXNtaWMtcmV0aWN1bHVtLmh0bWx8dz0xNjAwfGg9MTYwMHx0PWpwZWd8/&bvm=bv.102537793,d.aWw&psig=AFQjCNEM9ECzQs-iy6n3V-fTxgdb_xY2fw&ust=1442340651965612)*Like a… Factory* | [http://www.jochemnet.de/fiu/bot4404/endosymbiosis1.gif](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCKmckvyQ98cCFRYTkgodtrMHnw&url=http://www.jochemnet.de/fiu/bot4404/BOT4404_13.html&bvm=bv.102537793,d.aWw&psig=AFQjCNGMqnWa4fyFcQKZvxzOZ97hDKmejw&ust=1442340941081909) |
| Centrioles | Adenosine Triphosphate | Photosynthesis | Cellular Respiration |
| Definition: cylinder shaped organelles made of short microtubules arranged in a circle.  **Word Part**  centr \_\_\_\_\_\_\_\_\_\_\_\_\_ | Definition: Molecule that transfers energy from the breakdown of food molecules to cell processes.  **Word Part**  tri \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Definition: Process that captures energy from sunlight to make sugars that store chemical energy.  **Word Part**  photo \_\_\_\_\_\_\_\_\_\_\_\_\_ | Definition: Releases chemical energy from sugars and other carbon based molecules to make ATP when oxygen is present. |
| [http://www.buzzle.com/images/public-domain/centriole.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCKPj4_mR98cCFREDkgodkFgKdg&url=http://www.buzzle.com/articles/centriole-function.html&bvm=bv.102537793,d.aWw&psig=AFQjCNEnf0JEb-37Lhibpxiyjdw9U8ch8g&ust=1442341214515094) | [https://d2jmvrsizmvf4x.cloudfront.net/edWS7PKDTBK571isQahq_ATP-Phosphate-Energy.jpg](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCJqv-42S98cCFQZVkgodtRUNGQ&url=http://socratic.org/questions/how-does-atp-store-and-release-energy&bvm=bv.102537793,d.aWw&psig=AFQjCNGhskkNHPQUO-fMqt62rii93LR9Rw&ust=1442341276037715) | [http://brightmags.com/wp-content/uploads/2015/04/photosynthesis-equation-1.jpg](http://myimagecollection.net/chemical+process+of+photosynthesis)6CO2 + 6H20 with sunlight 🡪 C6H12O6 + 6O2 | 6O2 + C6H12O6 🡪  6CO2 + 6H20+ ENERGY  [http://assets.openstudy.com/updates/attachments/51386be7e4b01c4790d070bd-inyourhead-1362652403726-cellularrespiration.jpg](http://foodb.ca/reports/turkey) |