

## SOURCES

<https://www.livescience.com/28729-tallest-tree-in-world.html>

<https://www.britannica.com/science/cellulose>

<https://www.fpl.fs.fed.us/documnts/pdf1984/pette84a.pdf>

<https://www.npr.org/sections/krulwich/2012/09/25/161753383/trees-come-from-out-of-the-air-say-s-nobel-laureate-richard-feynman-really>

<https://www.worldofmolecules.com/foods/glucose.htm#:~:text=Glucose%20a%20simple%20monosaccharide%20sugar.especially%20in%20the%20food%20industry.>

<https://www.ncbi.nlm.nih.gov/pubmed/7900689>

<http://www1.lsbu.ac.uk/water/cellulose.html#:~:text=Cellulose%20is%20a%20prominent%20scaling.framework%20in%20the%20cell%20walls.>

<https://www.nature.com/articles/s41586-018-0848-x>

<https://www.sciencedirect.com/science/article/pii/B9780128092705000273>

<https://www.bbc.co.uk/bitesize/topics/znyycdm/articles/z2d2gdm>

<https://www.livestrong.com/article/464063-what-foods-contain-cellulose/>

<https://www.npr.org/sections/thesalt/2014/07/10/329767647/from-mcdonalds-to-organic-valley-youre-probably-eating-wood-pulp#:~:text=From%20McDonald's%20To%20Organic%20Valley%20C%20You're%20Probably%20Eating%20Wood.it's%20been%20around%20for%20ages>

<http://www.scienceclarified.com/Ca-Ch/Cellulose.html>

<https://www.britannica.com/science/cellulose>

<https://sciencing.com/chemical-reactions-used-manufacturing-paper-13973.html>

<https://indianapublicmedia.org/amomentofscience/chemical-cellulose-paper.php#:~:text=To%20begin%20the%20process%20C%20the.be%20beaten%20instead%20of%20chopped.>

<https://www.wonderopolis.org/wonder/how-do-you-make-paper-from-a-tree>

<https://bioplasticsnews.com/2019/07/23/history-of-cellophane/>

<https://www.sciencedirect.com/science/article/pii/B9780128132920000149>

<https://pubs.acs.org/doi/pdf/10.1021/ie50551a047?src=recsys>

<https://www.pslc.ws/macrog/kidsmac/cell.html>

<https://www.hse.gov.uk/pUbns/indg469.pdf>

<https://clevelandhistorical.org/items/show/573>

Le Couteur, Penny, (2004). Napoleon's buttons : 17 molecules that changed history. New York :Jeremy P. Tarcher/Penguin

<https://antoine.frostburg.edu/chem/senese/101/redox/faq/nitroglycerin.shtml>

[http://www.csun.edu/~psk17793/G%20Biology/chemical\\_bonding.htm](http://www.csun.edu/~psk17793/G%20Biology/chemical_bonding.htm)

[https://chem.libretexts.org/Bookshelves/Physical\\_and\\_Theoretical\\_Chemistry\\_Textbook\\_Maps/Supplemental\\_Modules\\_\(Physical\\_and\\_Theoretical\\_Chemistry\)/Chemical\\_Bonding/Fundamentals\\_of\\_Chemical\\_Bonding](https://chem.libretexts.org/Bookshelves/Physical_and_Theoretical_Chemistry_Textbook_Maps/Supplemental_Modules_(Physical_and_Theoretical_Chemistry)/Chemical_Bonding/Fundamentals_of_Chemical_Bonding)

<https://www.thegeoexchange.org/chemistry/bonding/Lewis-Structures/N2-Lewis-structure.html#:~:text=Transcript%3A%20For%20the%20N2%20Lewis.We%20have%20two%20Nitrogens.&text=We'll%20put%20the%20two.total%20of%2010%20valence%20electrons.>

<https://www.core77.com/posts/56583/Why-Sawdust-Explodes-Video-of-an-Explosive-Incident-at-a-Furniture-Factory>

<https://stonehousesafety.com/ss-case-studies/sawdust-explosion/>

<https://pubmed.ncbi.nlm.nih.gov/8634131/>  
<https://ecofriendlycoffee.org/cellulose-decomposers/#:~:text=CELLULOSE%20DECOMPOSITION,-From%20the%20farmers&text=Fungi%2C%20actinomycetes%20and%20aerobic%20or%20hydrolysis%20of%20the%20complex%20polymer.>  
<https://www.scientificamerican.com/article/mushroom-evolution-breaks-down-lignin-slows-coal-formation/>  
<https://arstechnica.com/science/2016/01/why-was-most-of-the-earths-coal-made-all-at-once/>  
<https://www.oxidationtech.com/blog/tag/discovery-of-ozone/>  
<https://www.britannica.com/biography/Christian-Friedrich-Schonbein>  
<https://physicstoday.scitation.org/doi/10.1063/pt.6.6.20181018a/full/>  
<https://eehe.org.uk/?p=25696>  
<https://physicstoday.scitation.org/doi/10.1063/pt.6.6.20181018a/full/>  
<https://eehe.org.uk/?p=25696>  
<https://pubchem.ncbi.nlm.nih.gov/compound/Nitrocellulose>  
<https://www.sciencedirect.com/topics/chemical-engineering/nitrocellulose>  
<https://onlinelibrary.wiley.com/doi/abs/10.1002/adma.202000619#:~:text=Because%20of%20its%20multiple%20merits,material%20for%20flexible%20electronic%20devices.>  
<https://www.nature.com/articles/ncomms8170>  
[https://www.livescience.com/28729-tallest-tree-in-world.html#:~:text=The%20tallest%20trees%20in%20the,feet%20\(115.7%20m\)%20tall.](https://www.livescience.com/28729-tallest-tree-in-world.html#:~:text=The%20tallest%20trees%20in%20the,feet%20(115.7%20m)%20tall.)  
<https://www.monumentaltrees.com/en/trees/coastredwood/coastredwood/>  
[https://www.guinnessworldrecords.com/world-records/tallest-tree-living/?fb\\_comment\\_id=733930770024953\\_842320379185991](https://www.guinnessworldrecords.com/world-records/tallest-tree-living/?fb_comment_id=733930770024953_842320379185991)  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3479918/#:~:text=1.1.-,Basic%20building%20blocks,nm%20%5B4%E2%80%93%5D.>  
<https://www.pslc.ws/macrog/kidsmac/cell.htm#:~:text=Plants%20use%20cellulose%20to%20make,also%20used%20to%20make%20paper.>  
[https://books.google.com/books?id=XoZa5t3\\_ogAC&pg=PA12&lpg=PA12&dq=Wood+is+about+50%25+cellulose+when+dry&source=bl&ots=mw41elt8CV&sig=ACfU3U1zeTSLbbPZGZO4vKFSbVGhPBftCA&hl=en&sa=X&ved=2ahUKEwi1\\_YuXws3qAhWHoXIEHU4UC8oQ6AEwDHoECAwQAQ#v=onepage&q=Wood%20is%20about%2050%25%20cellulose%20when%20dry&f=false](https://books.google.com/books?id=XoZa5t3_ogAC&pg=PA12&lpg=PA12&dq=Wood+is+about+50%25+cellulose+when+dry&source=bl&ots=mw41elt8CV&sig=ACfU3U1zeTSLbbPZGZO4vKFSbVGhPBftCA&hl=en&sa=X&ved=2ahUKEwi1_YuXws3qAhWHoXIEHU4UC8oQ6AEwDHoECAwQAQ#v=onepage&q=Wood%20is%20about%2050%25%20cellulose%20when%20dry&f=false)  
[http://wwwchem.uwimona.edu/jm/courses/CHEM2402/Textiles/Veg\\_Fibres.html#:~:text=Cotton%20fibrils%20and%20filter%20paper,about%2010%25%2D20%25%20cellulose.&text=Cellulose%20and%20starch%20are%20based,unit%20\(D%2Dglucose\).](http://wwwchem.uwimona.edu/jm/courses/CHEM2402/Textiles/Veg_Fibres.html#:~:text=Cotton%20fibrils%20and%20filter%20paper,about%2010%25%2D20%25%20cellulose.&text=Cellulose%20and%20starch%20are%20based,unit%20(D%2Dglucose).)  
<https://www.npr.org/sections/kruhwich/2012/09/25/161753383/trees-come-from-out-of-the-air-say-s-nobel-laureate-richard-feynman-really>  
<https://nhpbs.org/natureworks/nwepphotosynthesis.htm>  
<https://www.sciencedaily.com/releases/2013/07/130710141845.htm>  
<https://pubchem.ncbi.nlm.nih.gov/compound/D-Glucose>  
<https://www.khanacademy.org/science/biology/macromolecules/carbohydrates-and-sugars/a/carbohydrates>  
<https://www2.chem.wisc.edu/deptfiles/genchem/netorial/modules/biomolecules/modules/carbs/carb3.htm>

<https://www.worldofmolecules.com/foods/glucose.htm#:~:text=Glucose%20a%20simple%20monosaccharide%20sugar.especially%20in%20the%20food%20industry.>

<https://onlinelibrary.wiley.com/doi/abs/10.1002/0471440264.pst444>

<https://www.biodiversitya-z.org/content/biosphere#:~:text=Biosphere-.Definition.organic%20matter%20and%20oceanic%20detritus.>

<https://www.nature.com/articles/s41586-018-0848-x>

<https://pslc.ws/macrog/starlose.htm>

<https://sites.dartmouth.edu/dujs/2011/02/03/turning-waste-into-food-cellulose-digestion/>

<https://lifedatalabs.com/blog/2018/07/12/understanding-the-horses-digestive-system/#:~:text=The%20cecum%20is%20a%20large.the%20horse%20needs%20to%20survive.>

<https://nwdistrict.ifas.ufl.edu/phag/2018/09/21/understanding-a-horses-digestive-system/>

<https://www.bonappetit.com/entertaining-style/trends-news/article/parmesan-wood-pulp-cellulose>

<https://qz.com/223742/there-is-a-secret-ingredient-in-your-burgers-wood-pulp/>

<https://www.wsj.com/articles/SB10001424052748703834804576300991196803916#:~:text=Powdered%20cellulose%20is%20made%20by.further%20break%20down%20the%20fiber.>

<https://www.canr.msu.edu/news/anti-caking-agents#:~:text=For%20example%20C%20sodium%20aluminosilicate%20is.and%20dry%20mixes%20from%20caking.>

<https://www.canr.msu.edu/news/anti-caking-agents>

<https://www.wsj.com/articles/SB10001424052748703834804576300991196803916>

<http://chemistry.elmhurst.edu/vchembook/547cellulose.html#:~:text=Undigestible%20cellulose%20is%20the%20fiber.cellulose%20in%20the%20GI%20tract.>

<https://sites.dartmouth.edu/dujs/2011/02/03/turning-waste-into-food-cellulose-digestion/>

<https://www.teachervision.com/print-making/paper-making>

<https://www.carlemuseum.org/blogs/making-art/how-make-paper>

<https://www.scholastic.com/parents/school-success/learning-toolkit-blog/how-to-make-paper.htm>

!

<https://www.ili-lignin.com/aboutlignin.php>

<https://www.sciencedirect.com/topics/medicine-and-dentistry/lignin>

<https://idahoforests.org/content-item/how-paper-is-made-2/>

<https://www.britannica.com/technology/papermaking/Natural-fibres-other-than-wood>

<https://indianapublicmedia.org/amomentofscience/chemical-cellulose-paper.php>

<https://indianapublicmedia.org/amomentofscience/chemical-cellulose-paper.php#:~:text=To%20begin%20the%20process%20the.be%20beaten%20instead%20of%20chopped.>

<https://idahoforests.org/content-item/how-paper-is-made-2/>

<https://archive.epa.gov/wastes/conservation/materials/paper/web/html/faqs.html>

<https://www.rpta.org/recycled/>

<https://www.packaginginnovation.com/packaging-materials/plastic-packaging-2/cellophane-set-make-comeback-food-packaging/>

<http://theinventors.org/library/inventors/blcellophane.htm>

<https://bioplasticsnews.com/2019/07/23/history-of-cellophane/>

<https://www.sciencedirect.com/topics/materials-science/cellophane#:~:text=Cellophane%20is%20made%20from%20a.reconvert%20the%20viscose%20into%20cellulose.>

<https://goodonyou.eco/material-guide-viscose-really-better-environment/#:~:text=Viscose%20is%20often%20touted%20as.more%20durable%20alternative%20to%20silk.&text=But%20viscos e%20isn't%20just.cellophane%20and%20even%20sausage%20casing!>

<https://www.conrado.com/blog/what-is-viscose/>

<https://www.loc.gov/preservation/care/film.html#:~:text=Cellulose%20nitrate%20and%20cellulos e%20acetate.collateral%20damage%20to%20surrounding%20collections.>

<https://www.hse.gov.uk/pUbns/indg469.pdf>

<https://www.nps.gov/museum/publications/MHI/AppendM.pdf>

<https://silentfilm.org/amazing-tales-from-the-archives-2008/>

[https://lostmediaarchive.fandom.com/wiki/1937\\_Fox\\_vault\\_fire](https://lostmediaarchive.fandom.com/wiki/1937_Fox_vault_fire)

<https://clevelandhistorical.org/items/show/573>

<https://case.edu/ech/articles/c/cleveland-clinic-disaster>

<https://cplorg.contentdm.oclc.org/digital/collection/p128201coll0/id/3512/>

<https://nfpfa.org/-/media/Files/News-and-Research/Resources/Fire-Investigations/cleveland.ashx>

<https://www3.epa.gov/ttn/chief/ap42/ch06/final/c06s03.pdf>

<https://physicstoday.scitation.org/doi/10.1063/pt.6.6.20181018a/full/>

<https://www.angelo.edu/faculty/kboudrea/demos/guncotton/guncotton.htm>

<https://www.angelo.edu/faculty/kboudrea/demos/guncotton/guncotton.htm>

<https://pubchem.ncbi.nlm.nih.gov/compound/Nitrocellulose>

[https://chem.libretexts.org/Bookshelves/Organic\\_Chemistry/Book%3A\\_Basic\\_Principles\\_of\\_Org anic\\_Chemistry\\_\(Roberts\\_and\\_Caserio\)/24%3A\\_Organonitrogen\\_Compounds\\_II-\\_Amides%2C \\_Nitriles%2C\\_Nitro\\_Compounds/24.06%3A\\_Nitro\\_Compounds](https://chem.libretexts.org/Bookshelves/Organic_Chemistry/Book%3A_Basic_Principles_of_Org anic_Chemistry_(Roberts_and_Caserio)/24%3A_Organonitrogen_Compounds_II-_Amides%2C _Nitriles%2C_Nitro_Compounds/24.06%3A_Nitro_Compounds)

[https://chem.libretexts.org/Bookshelves/Inorganic\\_Chemistry/Modules\\_and\\_Websites\\_\(Inorgani c\\_Chemistry\)/Descriptive\\_Chemistry/Elements\\_Organized\\_by\\_Block/2\\_p-Block\\_Elements/Grou p\\_15%3A\\_The\\_Nitrogen\\_Family/Z%3D007\\_Chemistry\\_of\\_Nitrogen\\_\(Z%3D7\)](https://chem.libretexts.org/Bookshelves/Inorganic_Chemistry/Modules_and_Websites_(Inorgani c_Chemistry)/Descriptive_Chemistry/Elements_Organized_by_Block/2_p-Block_Elements/Grou p_15%3A_The_Nitrogen_Family/Z%3D007_Chemistry_of_Nitrogen_(Z%3D7))

<http://www2.yvcc.edu/Biology/109Modules/Modules/ChemistryModule/Chemistry.html>

[https://chem.libretexts.org/Bookshelves/Physical\\_and\\_Theoretical\\_Chemistry\\_Textbook\\_Maps/ Supplemental\\_Modules\\_\(Physical\\_and\\_Theoretical\\_Chemistry\)/Electronic\\_Structure\\_of\\_Atoms \\_and\\_Molecules/Electronic\\_Configurations/The\\_Octet\\_Rule](https://chem.libretexts.org/Bookshelves/Physical_and_Theoretical_Chemistry_Textbook_Maps/ Supplemental_Modules_(Physical_and_Theoretical_Chemistry)/Electronic_Structure_of_Atoms _and_Molecules/Electronic_Configurations/The_Octet_Rule)

[http://www.csun.edu/~psk17793/G%20Biology/chemical\\_bonding.htm](http://www.csun.edu/~psk17793/G%20Biology/chemical_bonding.htm)

<http://butane.chem.uiuc.edu/pshapley/genchem1/L9/3.html>

<https://mysite.du.edu/~jcalvert/phys/bang.htm>

[http://www.flowvis.org/OldGalleries/2011/Team-1/Reports/Ochsner\\_Travis.pdf](http://www.flowvis.org/OldGalleries/2011/Team-1/Reports/Ochsner_Travis.pdf)

<https://chemistry.stackexchange.com/questions/10163/reaction-involved-in-combustion-of-nitroc ellulose-nitroglycerinencng-solid-pro>

[http://www.digipac.ca/chemical/mtom/contents/chapter3/fritzhaber\\_1.htm](http://www.digipac.ca/chemical/mtom/contents/chapter3/fritzhaber_1.htm)

<http://www.hazardexonthenet.net/article/28722/The-dangers-of-wood-dust.aspx#:~:text=Wood% 20dust%20is%20considered%20to.flammable%20dusts%20are%20equally%20explosive.>

<https://www.woodshopnews.com/features/boom-the-dangers-of-wood-dust>

[https://www.ccohs.ca/oshanswers/chemicals/combustible\\_dust.html](https://www.ccohs.ca/oshanswers/chemicals/combustible_dust.html)

<http://totalairenergy.com/the-dangers-of-sawdust-in-the-workplace/>

<https://www.core77.com/posts/56583/Why-Sawdust-Explodes-Video-of-an-Explosive-Incident-at-a-Furniture-Factory>

<http://totalaireenergy.com/the-dangers-of-sawdust-in-the-workplace/>

<https://stonehousesafety.com/ss-case-studies/sawdust-explosion/>

<http://totalaireenergy.com/the-dangers-of-sawdust-in-the-workplace/>

[https://www.ccohs.ca/oshanswers/chemicals/combustible\\_dust.html](https://www.ccohs.ca/oshanswers/chemicals/combustible_dust.html)

<https://www.pnas.org/content/113/9/2442>

<https://www.assemblies.com/cello-wrapping/>

<https://www.loeschpack.com/en/branches/chewing-gum-packaging.html>

<https://ecofriendlycoffee.org/cellulose-decomposers/#:~:text=CELLULOSE%20DECOMPOSITION,-From%20the%20farmers&text=Fungi%2C%20actinomyces%20and%20aerobic%20or,hydrolysis%20of%20the%20complex%20polymer.>

<http://large.stanford.edu/courses/2010/ph240/jin2/>

<https://news.vanderbilt.edu/2015/12/10/new-observations-reveal-how-an-individual-cellulase-enzyme-operates/>

<https://www.energy.gov/eere/bioenergy/biofuels-basics>

<https://www.nationalgeographic.com/environment/global-warming/biofuel/>