Resources

Display Sources

- Beckmann. *Science Unveiled: What Is Activated Carbon / Activated Charcoal? YouTube*, YouTube, 13 Feb. 2018, www.youtube.com/watch?v=PQoK7oMB-C0.
- bbcafrica. "Congo: A Journey to the Heart of Africa Full Documentary BBC Africa." *YouTube*, YouTube, 19 Jan. 2019, www.youtube.com/watch?v=43xTvpxWLW4.
- charitywater. "The Journey Episode 2: Life without Clean Water." *YouTube*, YouTube, 9 Aug. 2016, www.youtube.com/watch?v=yPxMOzN0Uq4.
- "DR Congo: Lives and Futures of Three Million Children at Risk, UNICEF Warns." *UN News*, United Nations, news.un.org/en/story/2021/02/1085182.
- "ENGINEERING IS AWESOME COMPILATION." *YouTube*, YouTube, 30 July 2016, www.youtube.com/watch?v=EXP58ykBhEg&t=13s.
- Gfycat. "Best Activated Carbon Filter GIFs." *Gfycat*, gfycat.com/gifs/search/%EF%83%B0+activated+carbon+filter.
- "How to Optimize Your Reverse Osmosis System for Surface Finishing." *Products Finishing*, Products Finishing, 22 Oct. 2018,
 - www.pfonline.com/articles/how-to-optimize-your-reverse-osmosis-system-for-surface-finishing.
- newatlantisline. "Growing Up in Africa (Full Documentary)." *YouTube*, YouTube, 28 June 2014, www.youtube.com/watch?v=TltNEG1SjoM&t=854s.
- "ROYALTY FREE MUSIC by BENSOUND." Bensound, www.bensound.com/royalty-free-music.
- Sa, Pete. 4K Drone Images of DRC (Democratic Republic of Congo). YouTube, YouTube, 22 Dec. 2020, www.youtube.com/watch?v=ANrg9XRy6q0.

- "The Definitive Guide to Reverse Osmosis." *Nu Aqua*, Nu Aqua, 30 Sept. 2019, nuaquasystems.com/blogs/news/the-definitive-guide-to-reverse-osmosis.
- Vedran. "Free SVG Vector Files." Free SVG Images, SVG Cut Files and Transparent PNG with CC0 Public Domain License, freesvg.org/.

"Water Treatment Solutions." Lenntech, Lenntech B.V.,

www.lenntech.com/systems/reverse-osmosis/ro/reverse-osmosis-recovery-rate.htm.

Weber, Matt. "Troubleshooting Toilets." Extreme How To, Extreme How To, 7 Sept. 2007, extremehowto.com/troubleshooting-toilets/.

"Wix: Free Website Builder." Wix, Wix.com, Inc, www.wix.com/.

• All uncited clip arts within the display were obtained via ("Wix") or (Vedren) and are free for use.

Speciality Engineering Websites

- "Stainless Steel vs Galvanized." *Monroe Engineering*, Monroe Engineering, 25 Apr. 2016,
 monroeengineering.com/blog/stainless-steel-vs-galvanized/#:~:text=In%20terms%20of%20price%2
 C%20you,conscious%20consumers%20and%20companies%20alike.
- "Steel 101: Durable Structures & Strength." *Image Building Systems*, Image Building Systems, 14 July 2020,
 imagebuildingsystems.com/steel-101-the-durability-of-steel/#:~:text=For%20starters%2C%20steel
 %20is%20very,and%20where%20conditions%20are%20difficult.
- "Steel Pipes and Maximum Water Flow Capacity." *Engineering ToolBox*, 2004, www.engineeringtoolbox.com/steel-pipes-flow-capacities-d_640.html.

Medical Articles

- "Congo Democratic Republic General Health Risks: Schistosomiasis." *IAMAT*, International Association for Medical Assistance to Travellers,
 - www.iamat.org/country/congo-democratic-republic/risk/schistosomiasis#.
- Johnson, Jon. "How Long Can You Live without Water? Facts and Effects." *Medical News Today*, MediLexicon International, 14 May 2019,
 - www.medicalnewstoday.com/articles/325174#:~:text=As%20a%20general%20rule%20of,age.
- Ogasawara, Kota, and Tatsuki Inoue. "Long-Run Effects of Early Childhood Exposure to Cholera on Final Height." *SSM Population Health*, Elsevier, 23 Nov. 2017, www.ncbi.nlm.nih.gov/pmc/articles/PMC5769111/.
- "Schistosomiasis." *Centers for Disease Control and Prevention*, U.S. Department of Health & Disease Control and Prevention, U.S. Department of Health & Disease Control and Prevention, U.S. Department of Health & Disease Control and Prevention, U.S. Department of Health & Disease Control and Prevention, U.S. Department of Health & Disease Control and Prevention, U.S. Department of Health & Disease Control and Prevention, U.S. Department of Health & Disease Control and Prevention, U.S. Department of Health & Disease Control and Prevention, U.S. Department of Health & Disease Control and Prevention, U.S. Department of Health & Disease Control and Prevention, U.S. Department of Health & Disease Control and Prevention, U.S. Department of Health & Disease Control and Prevention, U.S. Department of Health & Disease Control and Prevention, U.S. Department of Health & Disease Control and Prevention, U.S. Department of Health & Disease Control and Prevention (U.S. Department of Health & Disease Control and Prevention).
- "Ebola Virus Disease Democratic Republic of the Congo." *World Health Organization*, World Health Organization, 30 May 2019,
 - $www.who.int/csr/don/30-may-2019-ebola-drc/en/\#: \sim : text=A\%20 total\%20 of\%201302\%20 deaths, ag ed\%20 less\%20 than\%2018\%20 years.$

Articles

- Brown, Gordon. "One Reason Millions of Congolese Children Don't Go To School: Fees Parents Can't Afford." *HuffPost*, Verlzon Media, 3 Dec. 2015, www.huffpost.com/entry/congo-school-fees b 6338562.
- "In Water-Rich DR Congo, 50 Million People Lack Clean Water to Drink." *UN News*, United Nations, 22 Mar. 2011,
 - news.un.org/en/story/2011/03/369802#:~:text=An%20estimated%2051%20million%20people,a%20new%20study%20released%20today.

- Kanellos, Michael. "Heating Your Home With Mirrors." *Greentech Media*, Greentech Media, 18 Mar. 2009, www.greentechmedia.com/articles/read/heating-your-home-with-mirrors-5914.
- "Natural Materials Successfully Filter Greywater." *Society for Science*, Society for Science & the Public, 11 July 2017, www.societyforscience.org/blog/natural-materials-successfully-filter-greywater/.
- "Use BOLD Light Deprivation to Kill Off Algae." *Americover*, Americover, Inc., 5 June 2019, www.americover.com/blog/fight-off-algae-growth-with-bold-light-deprivation/#:~:text=Since%20Al gae%2C%20like%20most%20plants,your%20algae%20will%20be%20gone.

Relief Organization Databases

- "Congo." Global Health Workforce Alliance, World Health Organization, 16 May 2012,
 www.who.int/workforcealliance/countries/cog/en/#:~:text=The%20lack%20of%20a%20strategy,an
 d%20midwives%20per%2010%2C000%20population.
- "Democratic Republic of Congo." *Globalwaters*, USAID, www.globalwaters.org/WhereWeWork/Africa/DRC.
- "Democratic Republic of the Congo." *WFP*, United Nations World Food Program, www.wfp.org/countries/democratic-republic-congo.
- "DRC: Fighting Cholera along the River Congo." *OCHA*, United Nations, 3 Apr. 2017, www.unocha.org/es/story/drc-fighting-cholera-along-river-congo#:~:text=But%20the%20picturesq ue%20river%20belies,to%20death%20if%20left%20untreated.
- "Education." *UNICEF Democratic Republic of the Congo*, UNICEF, www.unicef.org/drcongo/en/what-we-do/education.
- "The Facts: The Humanitarian Crisis in the Democratic Republic of Congo." *Mercy Corps*, Mercy Corps, 17 July 2019, www.mercycorps.org/blog/drc-humanitarian-crisis.
- "How Much Water in a Day?" *Mercy Corps*, Mercy Corps, 17 July 2015, www.mercycorps.org/blog/drc-how-much-water-day.

- Shore, Rebecca. "Water In Crisis Spotlight Democratic Republic of Congo." *The Water Project*, thewaterproject.org/water-crisis/water-in-crisis-congo.
- Thelwell, Kim. "Top 10 Facts About Living Conditions in the Democratic Republic of Congo." *The Borgen Project*, 29 Sept. 2018,
 - borgenproject.org/top-10-facts-about-living-conditions-in-the-democratic-republic-of-congo/.
- "UN 'Level 3 Emergency' Declared in DR Congo Highlights Scale of Crisis." *ReliefWeb*, OCHA, 23 Oct. 2017,
 - reliefweb.int/report/democratic-republic-congo/un-level-3-emergency-declared-dr-congo-highlights -scale-crisis.
- "Water Issues in the Democratic Republic of Congo- Challenges and Opportunities." *UNEP*, United Nations Environment Programme, Jan. 2011, postconflict.unep.ch/publications/UNEP_DRC_water.pdf.
- "Water, Sanitation and Hygiene." *UNICEF Democratic Republic of the Congo*, UNICEF, www.unicef.org/drcongo/en/what-we-do/water-sanitation-and-hygiene.

Websites

- Aguirre, Sarah. "If You're Going Green, Try Cleaning With Lemons." *The Spruce*, Dotdash, www.thespruce.com/cleaning-with-lemons-1900459#:~:text=Lemon%2C%20like%20vinegar%2C %20is%20a,lemon%20is%20refreshing%20and%20invigorating.&text=While%20lemons%20 and%20lemon%20juice,it%20is%20not%20a%20disinfectant.
- "Aluminum Advantages and Properties of Aluminum." *AZO Materials*, AZoNetwork, 4 June 2002, www.azom.com/article.aspx?ArticleID=1446#:~:text=Electrical%20and%20Thermal%20Conductiv ity&text=Aluminum%20is%20an%20excellent%20heat,for%20major%20power%20transmiss ion%20lines.
- "The Congo Water Crisis Is a Vicious Cycle:" *HTSCongo*, Habitat Technologies Solutions for the Congo, htscongo.org/issues.html.
- "Country Profile- DRC." *New Agriculturist*, WRENmedia, Jan. 2009, www.new-ag.info/en/country/profile.php?a=641#:~:text=Farming%20is%20predominantly%20low

- % 2D input, wake % 20 of % 20 the % 20 civil % 20 war. & amp; text = About % 2070% 20 per % 20 cent % 20 of, on % 20 farming % 20 for % 20 their % 20 livelihoods.
- "Country Risk of the Democratic Republic of Congo : International Trade." *Société Générale*, Export Enterprises,
 - import-export.societegenerale.fr/en/country/democratic-republic-of-congo/trade-country-risk#:~:tex t=The%20DRC%20is%20open%20to,(2018%2C%20World%20Bank).&text=In%20the%20la st%20few%20years,USD%20994%20million%20in%202018.
- "Democratic Republic of Congo." 2020 Index of Economic Freedom, The Heritage Foundation, www.heritage.org/index/country/democraticrepubliccongo?version=264.
- "Drinking Water Treatment Activated Carbon Filter." *Drinking Water and Human Health*, EXtension, 23

 Aug. 2019,

 drinking-water.extension.org/drinking-water-treatment-activated-carbon-filter/#How_Activated_Carbon_Treatment_Works.
- "Easy Fixes for Common Toilet Tank Parts." *Family Handyman*, Home Service Publications, Inc., 18 June 2020, www.familyhandyman.com/project/parts-of-a-toilet/.
- Ebnesajjad, Sina. "Reverse Osmosis Unglamorous but Vital to Water Purification!" *Elsevier*, Elsevier, 26

 Sept. 2016,

 chemical-materials.elsevier.com/new-materials-applications/reverse-osmosis-unglamorous-vital-wat er-purification/.
- Fritz, LeAnn. "The Second Most Important Substance On Earth: Water!" New Hope Health, 19 Feb. 2020, newhopehealth.com/the-second-most-important-substance-on-earth-water/#:~:text=This%20may%2 Ohelp.
- "How Aeration Improves Algae Issues." *Kasco Marine*, Kasco Marine, Inc., 23 Sept. 2020, kascomarine.com/blog/how-aeration-can-improve-algae-problems/#:~:text=Algae%20do%20not%2 Olike%20moving,still%2C%20stagnant%20areas%20to%20thrive.

- "How Does Water Distillation Work?" *Advanced Water Solutions*, Advanced Water Solutions, 8 Nov. 2017, www.advancedwaterinc.com/water-distillation-work/.
- "The Hydrologic Cycle." *Waterwise*, Waterwise, Inc., www.waterwise.com/steam-distillation-natures-purification-process/.
- "Issue in Managing Water Challenges and Policy Instruments." *International Monetary Fund*, June 2015, www.imf.org/external/pubs/ft/sdn/2015/sdn1511tn.pdf.
- Lemarchand, René. "Democratic Republic of the Congo." *Encyclopædia Britannica*, Encyclopædia Britannica, Inc., 26 July 1999, www.britannica.com/place/Democratic-Republic-of-the-Congo#ref40791.
- Lillenberg, Brian. "The Fundamentals of Working with Sand Filters." *Pool & Spa Marketing*, Kenilworth Media, Inc., 1 Dec. 2014, www.poolspamarketing.com/trade/the-fundamentals-of-working-with-sand-filters/.
- Mata, Henry K., et al. "Toxic Metal Concentration and Ecotoxicity Test of Sediments from Dense Populated Areas of Congo River, Kinshasa, Democratic Republic of the Congo." *ScienceDirect*, Elsevier, 12 July 2020, www.sciencedirect.com/science/article/pii/S2590182620300114.
- Oram, Brian P., "Drinking Water Treatment Reverse Osmosis." Copyright (C), 1989 1995,1996,1997,1998,1999,2000,2001,2002,2003-2012 Mr. Brian Oram., 2014–2020, water-research.net/index.php/water-testing/private-well-testing/reverse-osmosis.
- "Overview." World Bank, IBRD, 4 May 2020, www.worldbank.org/en/country/drc/overview.
- Remes, Jaana, et al. "Research: Poor Health Reduces Global GDP by 15% Each Year." *Harvard Business Review*, Harvard Business Publishing, 8 July 2020,

 hbr.org/2020/07/research-poor-health-reduces-global-gdp-by-15-each-year.
- Sautter, Gilland François, and Roland Pourtier. "Congo River." *Britannica*, Encyclopedia Britannica, Inc., www.britannica.com/place/Congo-River.
- Sautter, Gilles François, and Roland Pourtier. "The People and the Economy." *Britannica*, Encyclopedia Britannica, Inc., www.britannica.com/place/Congo-River/The-people-and-the-economy.

- Secon, Holly. "The Congo River Basin: Home of the Deepest River in the World." *LiveScience*, Future US, Inc., 5 Aug. 2020, www.livescience.com/congo-river.html.
- "Technical Information on Home Water Treatment Technologies." *Centers for Disease Control and Prevention*, U.S. Department of Health & D
- "Types of Chlorine Used in Water Treatment." *Pure Water Products*, Pure Water Products, LLC, www.purewaterproducts.com/articles/types-of-chlorine-used-in-water-treatment.
- West, Joseph. "What Makes Algae Grow in Ponds?" *SF Gate*, Hearst Communications, Inc, 21 Nov. 2017, homeguides.sfgate.com/algae-grow-ponds-51502.html.
- Woodard, John. "What Is a Reverse Osmosis System and How Does It Work?" *Fresh Water Systems*, Fresh Water Systems, 24 Mar. 2020, www.freshwatersystems.com/blogs/blog/what-is-reverse-osmosis#1.