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derived from molecules (through energy requiring enzymatic chemical reactions) in order to grow larger molecules (e.g., starches, triglycerides, and proteins for storage of fuels and information). In catabolism, water is used to break bonds in order to generate smaller molecules (e.g., glucose, fatty acids, and amino acids to be used for fuels for energy use or other purposes). Without water, these particular metabolic processes could not exist. Water is fundamental to both photosynthesis and respiration. Photosynthetic cells use the sun's energy to split off water's hydrogen from oxygen.[11] In the presence of sunlight, hydrogen is combined with CO₂ (absorbed from air or water) to form glucose. The oxygen is released into the atmosphere. In respiration, the glucose is broken down into CO₂ and H₂O. The H₂O is then used by the plant as an electron acceptor such as a hydroxide ion (OH⁻) to form water. Water is considered to be neutral, with a pH (the negative log of the hydrogen ion concentration) of 7 in an ideal state. Acids have pH values less than 7 while bases have values greater than 7. Further information: Hydrobiology, Marine life, and Aquatic plant life Earth's surface waters are filled with life. The earliest life forms appeared in water; nearly all fish live exclusively in water, and there are many types of marine mammals, such as dolphins and whales. Some kinds of animals, such as amphibians, spend portions of their lives in water and portions on land. Plants such as kelp and algae grow in the water and are the basis for some underwater ecosystems. Plankton is generally the foundation of the ocean food chain. Aquatic vertebrates must obtain oxygen to survive, and they do so in various ways. Fish have gills instead of lungs, although some species of fish, such as the lungfish, have both. Marine mammals, such as dolphins, whales, otters, and seals need to surface periodically to breathe. Some amphibians are able to absorb oxygen through their skin. Some marine invertebrates exist in a wide range of habitats. They survive in poorly oxygenated waters including breathing tubes (see insect and mollusk gills) and gills (Carcinus). However, as invertebrates are not found in an aquatic habitat most have little to no oxygenation. Respiration in marine invertebrates is generally through the pharynx. Some marine diatoms, some phytoplankton group, Squal and other fish, and some invertebrates have additional adaptations for breathing. Further information: Aquatic respiration and Aquatic respiration in fish. Further citations are available in this section. Unsorted material may be challenged and removed. (May 2018) (Learn how and when to remove this message) Water fountain Civilization has historically flourished around rivers and major waterways; Mesopotamia, one of the so-called cradles of civilization, was situated between the major rivers Tigris and Euphrates; the ancient society of the Egyptians depended entirely upon the Nile. The early Indus Valley civilization (c. 3300 BCE – c. 1300 BCE) developed along the Indus River and tributaries that flowed out of the Himalayas. Rome was also founded on the banks of the Italian river Tiber. Large metropolises like Rotterdam, London, Montreal, Paris, New York City, Buenos Aires, Shanghai, Tokyo, Chicago, and Hong Kong owe their success in part to their easy accessibility via water and the resultant expansion of trade. Islands with safe water ports, like Singapore, have flourished for the same reason. In places such as North Africa and the Middle East, where water is more scarce, access to clean water is a necessity. In the United States, 66 million people do not have access to safe drinking water.[113][114] Water that is not fit for drinking but is not harmful to humans when used for swimming or bathing is called by various names other than potable or drinking water, and is sometimes called safe water, or "safe for bathing". Chlorine is a skin and mucous membrane irritant that is used to make water safe for bathing or drinking. Its use is highly technical and is usually monitored by government regulations (typically 1 part per million (ppm) for drinking water, and 1–2 ppm of chlorine not yet reacted with impurities for bathing water). Water for bathing may be maintained in satisfactory microbiological condition using chemical disinfectants such as chlorine or ozone or by the use of ultraviolet light. Water reclamation is the process of converting wastewater (most commonly sewage, also called municipal wastewater) into water that can be reused for other purposes. There are 2.3 billion people who reside in nations with water scarcities, which means that each individual

derived from molecules (through energy requiring enzymatic chemical reactions) in order to grow larger molecules (e.g., starches, triglycerides, and proteins for storage of fuels and information). In catabolism, water is used to break bonds in order to generate smaller molecules (e.g., glucose, fatty acids, and amino acids to be used for fuels for energy or other purposes). Without water, these particular metabolic processes could not exist. Water is fundamental to both photosynthesis and respiration. Photosynthetic cells use the sun's energy to split off water's hydrogen from oxygen.[11] In the presence of sunlight, hydrogen is combined with CO₂ (absorbed from air or water) to form glucose. The process of photosynthesis produces oxygen as a byproduct. Respiration uses glucose as fuel and oxygen as an electron acceptor such as a hydroxide ion (OH⁻) to form water. Water is considered to be neutral, with a pH (the negative log of the hydrogen ion concentration) of 7 in an ideal state. Acids have pH values less than 7 while bases have values greater than 7. Further information: Hydrobiology, Marine life, and Aquatic plant Earth's surface waters are filled with life. The earliest life forms appeared in water; nearly all fish live exclusively in water, and there are many types of marine mammals, such as dolphins and whales. Some kinds of animals, such as amphibians, spend portions of their lives in water and portions on land. Plants such as kelp and algae grow in the water and are the basis for some underwater ecosystems. Plankton is generally the foundation of ocean food chains. Aquatic vertebrates must obtain oxygen to survive, and they do so in various ways. Fish have gills instead of lungs, although some species of fish, such as the lungfish, have both. Marine mammals, such as dolphins, whales, otters, and seals need to surface periodically to breathe. Some amphibians are able to absorb oxygen through their skin. Some marine organisms, like sponges, can survive in poorly oxygenated waters, including breathing tubes (see insect and mollusk gillphons) and fish (Carcinus). However, as invertebrate animals evolved in an aquatic habitat most have little tolerance for low oxygen concentrations. Respiration in animals requires dissolved oxygen. Some marine diatoms, members of the phytoplankton group, Squid, lobsters, crabs, and shrimp, among others, additionally require additional oxygenation to survive. Further information: Aquatic ecology and Aquatic plants. This section contains references to reliable sources in this section. Unsources material may be challenged and removed. (May 2018) (Learn how and when to remove this message) Water fountain Civilization has historically flourished around rivers and major waterways; Mesopotamia, one of the so-called cradles of civilization, was situated between the major rivers Tigris and Euphrates; the ancient society of the Egyptians depended entirely upon the Nile. The early Indus Valley civilization (c. 3300 BCE – c. 1300 BCE) developed along the Indus River and tributaries that flowed out of the Himalayas. Rome was also founded on the banks of the Italian river Tiber. Large metropolises like Rotterdam, London, Montreal, Paris, New York City, Buenos Aires, Shanghai, Tokyo, Chicago, and Hong Kong owe their success in part to their easy accessibility via water and the resultant expansion of trade. Islands with safe water ports, like Singapore, have flourished for the same reason. In places such as North Africa and the Middle East, where water is more scarce, access to clean drinking water is essential for survival. Safe drinking water is available to over 6 billion people, but approximately 660 million people do not have access to safe drinking water.[113][114] Water that is not fit for drinking but is not harmful to humans when used for swimming or bathing is called by various names other than potable or drinking water, and is sometimes called safe water, or "safe for bathing". Chlorine is a skin and mucous membrane irritant that is used to make water safe for bathing or drinking. Its use is highly technical and is usually monitored by government regulations (typically 1 part per million (ppm) for drinking water, and 1–2 ppm of chlorine not yet reacted with impurities for bathing water). Water for bathing may be maintained in satisfactory microbiological condition using chemical disinfectants such as chlorine or ozone or by the use of ultraviolet light. Water reclamation is the process of converting wastewater (most commonly sewage, also called municipal wastewater) into water that can be reused for other purposes. There are 2.3 billion people who reside in nations with water scarcities, which means that each individual

[less than 1,700 cubic metres \(60,000 cu ft\) of water annually](#), 385 billion cubic metres (13.5 x 10¹² cu ft) of municipal wastewater are produced globally each year.[13][16][17] Freshwater is a renewable resource, recirculated by the natural hydrologic cycle, but pressures over access can result from the naturally uneven distribution in time and space. Water scarcity occurs due to overuse or mismanagement of the available supply, or because of climate change. Progress toward that goal was uneven, and in 2015 the UN committed to the Sustainable Development Goals of achieving universal access to safe and affordable water and sanitation by 2030. Poor water quality and bad sanitation are deadly; some five million deaths a year are caused by water-related diseases. The World Health Organization estimates that safe water could prevent 1.4 million child deaths from diarrhea each year.[18] In developing countries, 90% of all municipal wastewater still goes untreated into local rivers and streams.[19] Some 50 countries, with roughly a third of the world's population, also suffer from medium or high water scarcity, and 17 of these extract more water annually than is recharged through their natural water cycles[120] The strain not only affects surface freshwater bodies like rivers and lakes, but it also degrades groundwater resources. Further information: Water supply Total water withdrawals for agricultural, industrial and municipal purposes per capita, measured in cubic metres (m3) per year in 2010[121] The most substantial human use of water is for agriculture, including irrigated agriculture, which accounts for as much as 80 to 90 percent of total human water consumption.[122] In the United States, 42% of freshwater withdrawn for use is for irrigation, but the vast majority of water "consumed" (used and not returned to the environment) goes to agriculture.[123] Access to fresh water is often taken for granted, especially in developed countries that have built sophisticated water systems for collecting, purifying, and delivering water. But growing economic, demographic, and climatic pressures are increasing concerns about water issues, leading to increasing competition for fixed water resources, giving rise to the concept of peak water.[124] As populations and economies continue to grow, consumption of water-thirsty meat expands, and new demands rise for biofuels or new water-intensive industries, new water challenges are likely.[125] An assessment of water availability in the world shows that there is enough water to meet all demands, but there is not enough water to meet all demands. A further 1.6 billion people live in areas experiencing economic water scarcity, where the lack of investment in water or insufficient human capacity make it impossible for authorities to satisfy the demand for water. The report found that it would be possible to produce the food required in the future, but that continuation of today's food production and environmental trends would lead to crises in many parts of the world. To avoid a global water crisis, farmers will have to strive to increase productivity to meet growing demands for food, while industries and cities find ways to use water more efficiently.[127] Water scarcity is also caused by production of water intensive products. For example, cotton: 1 kg of cotton—equivalent of a pair of jeans—requires 10.9 cubic metres (380 cu ft) water to produce. While cotton accounts for 2.4% of world water use, the water is consumed in regions that are already at risk of water shortage. Significant environmental damage has been caused: for example, the diversion of water by the former Soviet Union from the Amu Darya and Syr Darya rivers to produce cotton was largely responsible for the disappearance of the Aral Sea.[128] Water requirement per tonne of food product Water distribution in subsurface drip irrigation Irrigation of field crops On 7 April 1795, the gram was defined in France to be equal to "the absolute weight of a volume of pure water equal to a cube of one-hundredth of a meter, and at the temperature of melting ice".[129] For practical purposes though, a metallic reference standard was required, one thousand times more massive, the kilogram. Work was therefore commissioned to determine precisely the mass of one liter of water. In spite of the fact that the decreed definition of the gram specified water at 0 °C (32 °F)—a highly reproducible temperature—the scientists chose to redefine the standard and to perform their measurements at the temperature of maximum density of water, 4 °C (39 °F). This choice was made because the density of water is not exactly constant at 1 g/cm³ (1,000 kg/m³), and the density of water at 4 °C is slightly greater than at 0 °C. The density of water at 4 °C is 1.000000 kg/m³ (1,000.000 kg/m³), and the density of water at 0 °C is 0.9998425 kg/m³ (999.8425 kg/m³). In the Celsius temperature scale, which was originally defined according to the boiling point (set to 100 °C (212 °F)) and melting point (set to 0 °C (32 °F)) of water. Natural water consists mainly of the isotopes hydrogen-1 and oxygen-16, but there is also a small quantity of heavier isotopes oxygen-18, oxygen-17, and hydrogen-2 (deuterium). The percentage of the heavier isotopes is very small, but it still affects the properties of water. Water from rivers and lakes tends to contain less heavy isotopes than seawater. Therefore, standard water is defined in the Vienna Standard Mean Ocean Water specification. Main article: Drinking water A young girl drinking bottled water Water availability: the fraction of the population using improved water sources by country Roadside fresh water outlet from glacier, Nubra The human body contains from 55% to 78% water, depending on body size.[131] Jusser-generated source? To function properly, the body requires between one and seven litres (0.22 and 1.54 imp gal; 0.26 and 1.85 US gal)[citation needed] of water per day to avoid dehydration; the precise amount depends on the level of activity, temperature, humidity, and other factors. Most of this is ingested through foods or beverages other than drinking straight water. It is not clear how much water intake is needed by healthy people, though the British Dietetic Association advises that 2.5 litres of total water daily is the minimum to maintain proper hydration, including 1.8 liters (6 to 7 glasses) obtained directly from beverages.[132] Medical literature favors a lower consumption, typically 1 liter of water for an average male, excluding extra requirements due to fluid loss from exercise or warm weather [133] Healthy kidneys can excrete 0.8 l to 1 liter of water per hour, but stress such as exercise can reduce this amount. People can drink far more water than necessary while exercising, putting them at risk of water intoxication (hyponatremia), which can be fatal.[134][135] The popular claim that "a person should consume eight glasses of water per day" seems to have no real basis in science, although it is a common recommendation. The Food and Nutrition Board of the U.S. National Research Council read: "An ordinary standard for diverse persons is 1 milliliter for each calorie of food. Most of this quantity is contained in prepared foods." [144] The latest dietary reference intake report by the U.S. National Research Council in general recommended, based on the median total water intake from US state data (including food sources): 3.7 liters (0.81 imp gal; 0.98 US gal) for men and 2.7 liters (0.59 imp gal; 0.71 US gal) of water total for women, noting that water contained in food provided approximately 19% of total water intake in the survey.[145] Specifically, pregnant and breastfeeding women need additional fluids to stay hydrated. The US Institute of Medicine recommends that, on average, men consume 3 liters (0.66 imp gal; 0.79 US gal) and women 2.2 liters (0.48 imp gal; 0.58 US gal); pregnant women should increase intake to 2.4 liters (0.53 imp gal; 0.63 US gal) and breastfeeding women should get 3 liters (12 cups), since an especially large amount of fluid is lost during nursing.[146] Also noted is that normally, about 20% of water intake comes from food, while the rest comes from drinking water and beverages (caffeinated included). Water is excreted from the body in multiple forms; through urine and feces, through sweating, and by exhalation of water vapor in the breath. With physical exertion and heat exposure, water loss will increase and daily fluid needs may increase as well. Humans require water with few impairments. Common impairments include metal salts and oxides, including copper, iron, calcium and lead,[147][full citation needed] and harmful bacteria, such as Vibrio. Some solutes are acceptable and even desirable for taste enhancement and to provide needed electrolytes.[148] The single largest (by volume) freshwater resource suitable for drinking is Lake Baikal in Siberia.[149] This section is an excerpt from Washing,edit Water is a human washes her hands with soap and water. Washing is a method of cleaning, usually with water and soap or detergent. Regularly washing hands helps prevent the spread of germs. Lakeside beach, where water provides recreation, you can find the sound and appearance of flowing water. Water structures are particularly common in urban areas, where they offer both aesthetic value and recreational opportunities. In social contexts, washing refers to the act of bathing, or washing different parts of the body, such as hands, hair, or faces. Excessive washing may damage the hair, causing dandruff, or cause rough skin/skin lesions.[153][154] Some washing of the body is done ritually in religions like Christianity and Judaism, as an act of purification. Washing can also refer to washing objects. For example, washing of clothing or other cloth items, like bedsheets, or washing dishes or cookware. Keeping objects clean, especially if they interact with food or the skin, can help with sanitation. Other kinds of washing focus on maintaining cleanliness and durability of objects that get dirty, such washing one's car, by lathering the exterior with car soap, or washing tools used in a dirty process. A private home washing machine These paragraphs are an excerpt from Maritime transport,edit Maritime transport (or ocean transport) or more generally seaborne transport, is the transport of people (passengers) or goods (cargo) via waterways. Freight transport by watercraft has been widely used throughout recorded history, as it provides a higher-capacity mode of transportation for passengers and cargo than land transport, the latter typically being more costly per unit payload due to it being affected by terrain conditions and road/rail infrastructures. The advent of aviation during the 20th century has diminished the importance of sea travel for passengers, though it is still popular for short trips and pleasure cruises. Transport by watercraft is much cheaper than transport by aircraft or land vehicles (both road and rail).[155] but is significantly slower for longer journeys and heavily dependent on adequate port facilities. Maritime transport accounts for roughly 80% of international trade, according to UNCTAD In 2020, maritime transport can be realized over any distance as long as there are connecting bodies of water that are navigable to boats, ships or barges such as oceans, lakes, rivers and canals. Shipping may be for commerce, recreation, or military purposes, and is an important aspect of logistics in modern society. Goods are transported by ship, and people by ferry. Moving bulk commodities, such as oil, grain, coal, ore, and minerals, is the primary reason for moving goods by ship. Moving containers, such as shipping containers, is another major reason for moving goods by ship. However, water transport becomes impractical when material delivery is time-critical such as various types of perishable produce. Still, water transport is highly cost effective with regular schedulable cargoes, such as trans-oceanic shipping of consumer products - and especially for heavy loads or bulk cargoes, such as coal, coke, ore, or grains. Arguably, the Industrial Revolution had its first impacts where cheap water transport by canal, navigation, or shipping by all types of watercraft on natural waterways supported cost-effective bulk transport. Containerization revolutionized maritime transport starting in the 1970s. "General cargo" includes goods packaged in boxes, cases, pallets, and barrels. When a cargo is carried in more than one mode, it is intermodal or co-modal. Water is widely used in chemical reactions as a solvent or reactant and less commonly as a solute or catalyst. In inorganic reactions, water is a common solvent, dissolving many ionic compounds, as well as other polar compounds such as ammonia after compounds closely related to water. In organic reactions, it is not usually used as a reaction solvent, because it does not dissolve the reactants well and is amphoteric (acidic and basic) and nucleophilic. Nevertheless, these properties are sometimes desirable. Also, acceleration of Diels-Alder reactions by water has been observed. Supercritical water has recently been a topic of research. Oxygen-saturated supercritical water combusts organic pollutants efficiently. Water and steam are a common fluid used for heat exchange, due to its availability and high heat capacity, both for cooling and heating. Cool water may even be naturally available from a lake or the sea. It is especially effective to transport heat through vaporization and condensation of water because of its large latent heat of vaporization. A disadvantage is that metals commonly found in industries such as steel and copper are oxidized faster by untreated water and steam. In almost all thermal power stations, water is used as the working fluid (used in a closed-loop cycle) for generating electricity. The main reason for this is that water has a high boiling point (100 °C (212 °F)) and a high specific heat capacity. Water is also used for fire fighting, as it has a high heat of vaporization and is relatively inert, which makes it a good fire extinguishing fluid. The evaporation of water carries heat away from the fire. It is dangerous to use water on fires involving oils and organic solvents because many organic materials float on water and the water tends to spread the burning liquid. Use of water in fire fighting should also take into account the hazards of a steam explosion, which may occur when water is used on very hot fires in confined spaces, and of a hydrogen explosion, when substances which react with water, such as certain metals or hot carbon such as coal, charcoal, or coke graphite, decompose the water, producing water gas. The power of such explosions was seen in the Chernobyl disaster, although the water involved in this case did not come from the reactor's own water cooling system. A steam explosion occurred when the extreme overheating of the core caused water to flash into steam. A hydrogen explosion may have occurred as a result of a reaction between steam and hot zirconium. Some metallic oxides, most notably those of alkali metals and alkaline earth metals, produce so much heat in reaction with water that a fire hazard can develop. The alkaline earth oxide quicklime, also known as calcium oxide, is a mass-produced substance that is often transported in paper bags. If these are soaked thoroughly before they are ignited, they can start a fire. Water is used in many traditional purposes, such as for exercising and sports. Swimming, canoeing, kayaking, sailing, windsurfing, surfing, swimming, rowing, and water skiing are some sports, like ice hockey and figure skating, played on frozen lakes. Lakeside beaches, where water provides recreation, you can find the sound and appearance of flowing water. Water structures are particularly common in urban areas, where they offer both aesthetic value and recreational opportunities. In social contexts, washing refers to the act of bathing, or washing different parts of the body, such as hands, hair, or faces. 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Print and Circular Series, No. 122, 1495, pp. 3-18. ¹ Institute of Medicine, Food Nutrition Board, Standing Committee on the Scientific Evaluation of Dietary Reference Intakes, Panel on Dietary Reference Intakes for Electrolytes and Water (2005). 4 Water | Dietary Reference Intakes for Potassium, Sodium, Chloride, and Sulfate. The National Academies Press, No. 10.17226/10925. ISBN 978-0-309-09169-9. Archived from the original on 13 January 2017. Retrieved 11 January 2017. ² "Water: How much should you drink every day?". Mayo Clinic. Archived from the original on 4 December 2010. Retrieved 25 July 2010. ³ "Conquering Chemistry (4th ed.). 2008". Maton A, Hopkins J, Meade D, et al. (eds.). Wiley. 2008. ISBN 978-0-471-75684-2. Archived from the original on 22 October 2012. Retrieved 22 October 2012. ⁴ "The Hubble Space Telescope: A History of the Hubble Space Telescope". NASA. Archived from the original on 22 October 2012. Retrieved 22 October 2012. ⁵ "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. PMID 21294402. ⁶ "Moyer MW (23 October 2013). 'Do You Really Need to Shower Every Day?'". The New York Times. ISSN 0362-4331. Retrieved 22 April 2024. ⁷ Hadaway, D. (2 January 2020). "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. PMID 21294402. ⁸ "Moyer MW (23 October 2013). 'Do You Really Need to Shower Every Day?'". The New York Times. ISSN 0362-4331. Retrieved 22 April 2024. ⁹ "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. PMID 21294402. ¹⁰ "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. 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ISSN 1539-8285. PMID 21294402. ³⁴ "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. PMID 21294402. ³⁵ "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. PMID 21294402. ³⁶ "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. PMID 21294402. ³⁷ "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. PMID 21294402. ³⁸ "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. PMID 21294402. ³⁹ "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. PMID 21294402. ⁴⁰ "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. PMID 21294402. ⁴¹ "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. PMID 21294402. ⁴² "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. PMID 21294402. ⁴³ "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. PMID 21294402. ⁴⁴ "Handwashing: Clean Hands Save Lives". Journal of Consumer Health on the Internet. 21 (4): 413-449. doi:10.1080/15398285.2011.6171081. ISSN 1539-8285. PMID 21294402

receivers and their exact location, is developed and deployed.[51] See also: List of 20th-century religious leaders 1900s – A number of related revival movements mark the start of Pentecostalism, 1904 – Aleister Crowley dictates The Book of the Law, the foundational text of Thelema, 1924 – The Soviet Union establishes a doctrine of state atheism, 1924 – Mustafa Kemal Pasha abolishes the Islamic Caliphate, in favor of secularism. This marks the last widely recognized Muslim Caliphate. 1930 – Wallace Fard Muhammad founds the Nation of Islam. The Seventh ecumenical Conference allows for the possibility of both control within Anglicanism, the first example of a modern Christian church supporting such a position.[51] 1940s – Wicca is formalized by Gerald Gardner and Doreen Valiente. 1950s – Sayyid Qutb articulates Qubism, a violent variety of Islamism that would later become foundational to jihadist ideology. Maharishi Mahesh Yogi begins to teach Transcendental Meditation. 1953 – L. Ron Hubbard founds the Church of Scientology, which has a unique cosmology based on science fiction and his older system of Dianetics. 1956 – B. R. Ambedkar launches the Dalit Buddhist movement. 1960 – The charismatic movement starts within Anglicanism, quickly spreading to other Christian sects. 1962–65 – The Second Vatican Council is held, resulting in significant changes in the Catholic Church. 1970s – New Age beliefs and practices are popularized. 1979 – In Shia Islam, the Islamic Revolution establishes a theocratic state within Iran. 1988 – Al-Qaeda, a network of Islamic extremists, is founded among Arab members of the Afghan mujahideen. It engages in a number of terror attacks throughout the 1990s, leading up to the September 11 attacks in 2001. 1999 – Falun Gong, a Chinese new religious movement dating to the early 1990s, begins to be persecuted by the Chinese government. The Great Depression is a worldwide economic slowdown that lasted throughout the early 1930s. The Soviet Union implemented a series of five-year plans for industrialization and economic development. Most countries abandoned the gold standard for their currency. The Bretton Woods system involved currencies being pegged to the United States dollar; after the system collapsed in 1971 most major currencies had a floating exchange rate. Economics is divided into two general economic schools: Keynesian and neoclassical The 1970s energy crisis occurred when the Western world, particularly the United States, Canada, Western Europe, Australia, and New Zealand, faced substantial petroleum shortages as well as elevated prices. The two worst crises of this period were the 1973 oil crisis and the 1979 energy crisis, when, respectively, the Yom Kippur War and the Iranian Revolution triggered interruptions in Middle Eastern oil exports, Modern history portal 19th Century 21st century 20th-century inventions Death rates in the 20th century Infection diseases in the 20th century Modern art Short twentieth century Timelines of modern history List of 20th-century women artists List of notable 20th-century writers List of battles 1901–2000 List of stories set in a future now in the past ^ Bikos, Konstantin. "When Did the 21st Century Start?". Time and Date. Retrieved 20 Jan 2024. ^ "The 21st Century and the 3rd Millennium When Did They Begin?". United States Naval Observatory. Archived from the original on 2019-10-02. Retrieved 2013-06-07. ^ Lutz, Wolfgang; Sanderson, Warren C.; Scherbov, Sergei (2004). Lutz, Wolfgang; Scherbov, Sergei (eds.), "The End of World Population Growth". The End of World Population Growth in the 21st Century, Routledge, doi:10.4324/9781315870571, ISBN 978-1-315-87057-1, retrieved 2024-01-15 ^ "World Population by Year - Worldometer". www.worldometers.info. Retrieved 2024-01-15. ^ Wilson, E.O., The Future of Life (2002) (ISBN 0-679-76811-4). See also: Leakey, Richard, The Sixth Extinction : Patterns of Life and the Future of Humankind, ISBN 0-385-46809-1 ^ "The Sixth Extinction - The Most Recent Extinctions". Archived from the original on 2015-12-18. ^ Ferguson, Niall (2004). Empire: The rise and demise of the British world order and the lessons for global power. New York: Basic Books. ISBN 978-0-465-02328-8. ^ Delaney, Tim. "Pop Culture: An Overview". Philosophy Now. Retrieved 12 September 2022. ^ Bell, P.; Bell, R. (1996). ""Americanization": Political and cultural examples from the perspective of "Americanized" Australia" (PDF). American Studies. Retrieved 12 September 2022. ^ Malchow, Howard (2011). Special Relations: The Americanization of Britain?. Stanford University Press. ISBN 978-0-804-77399-7. ^ Djukanovic, Bojka (2024). Nordic, Central, and Southeastern Europe 2024–2025. Rowman & Littlefield. p. 3. ISBN 978-1-5381-8587-2. Most of the countries presented in this book had communist regimes until 1989–1991 and have been undergoing the difficult transition to democracy and free-market economies. ^ Fleegler, Robert L. Theodore G. Bilbo and the Decline of Public Racism, 1938–1947 Archived 2009-02-06 at the Wayback Machine. Retrieved 23 December 2014 ^ Zadey, Siddhesh (2019-11-25). "Constitution Day: Do We Truly Know the 'Real' Ambedkar?". TheQuint. Retrieved 2021-07-30. ^ Vundru, Raja Sekhar (2020-08-16). "Ambedkar and political reservation". The Indian Express. Retrieved 2021-07-30. ^ Barry, John M. (November 2017). "How the Horrific 1918 Flu Spread Across America". Smithsonian Magazine. Retrieved 2024-05-08. ^ Smith, J.B.; et al. "Ch. 19. Vulnerability to Climate Change and Reasons for Concern: A Synthesis". Extreme and Irreversible Effects. Sec 19.6. Archived from the original on 2016-10-18. Retrieved 2014-07-10. in IPCC TAR WG2 2001 ^ IPCC AR5 WG1 2013. "Summary for Policymakers, Observed Changes in the Climate System", pp. 10–11: "Total radiative forcing is positive, and has led to an uptake of energy by the climate system. The largest contribution to total radiative forcing is caused by the increase in the atmospheric concentration of CO2 since 1750." (p. 11). "From 1750 to 2011, CO2 emissions from fossil fuel combustion and cement production have released 375 [345 to 405] GtC to the atmosphere, while deforestation and other land use change are estimated to have released 180 [100 to 260] GtC." (p. 10). ^ "World Population: Historical Estimates of World Population". United States Census Bureau. December 19, 2013. Retrieved 2015-01-09. ^ "World Population: Total Midyear Population for the World: 1950–2050". United States Census Bureau. December 19, 2013. Retrieved 2015-01-09. ^ Democide See various exclusions ^ Charles Tilly (2003). "The politics of collective violence" Cambridge University Press. p. 55. ISBN 0-521-53145-4. ^ Gary Rodger Weaver (1998). Culture, Communication, and Conflict. Simon & Schuster. p. 474. ISBN 0-536-00373-4 ^ Suny 2015, pp. 245, 330. ^ Bozarslan, Duclert & Kévorkian 2015, p. 187. ^ Sabet, Amr G. E. (2010-01-01). "A History of the Modern Middle East, 4th ed". American Journal of Islam and Society. 27 (1): 122–124. doi:10.35632/ajis.v27i1.1351. ISSN 2690-3741. ^ McMahon, Henry; Ali, Hussein Ibn (2022). "6.2 British Diplomacy: The Hussein-McMahon Letters". The World War I Reader. New York University Press, pp. 335–339. doi:10.18574/nyu/9780814759332.003.0032. ISBN 978-0-8147-5933-2, retrieved 2023-11-05 ^ "The Sykes-Picot Agreement (1916)". The Arab-Israeli Conflict. Routledge, pp. 59–60, 2009-09-10. doi:10.4324/9780203871591-10. ISBN 978-0-203-87159-1, retrieved 2023-11-05 ^ "Osage are Richest People, Greatest Per Capita Wealth in World Results From Oil Deal". The New York Times. 1921-06-25. ISSN 0362-4331. Retrieved 2023-11-05. ^ Brown, DeNeen L. (October 22, 2019). "HBO's 'Watchmen' depicts a deadly Tulsa race massacre that was all too real". Washington Post. Retrieved July 3, 2020. "White city police officer "deputized" members of the lynch mob and "instructed them to get a gun and get a n-----", according to the Oklahoma Historical Society". ^ "Tulsa race massacre of 1921 | Commission, Facts, & Books". Britannica. Retrieved September 4, 2022. ^ "The Palestinian Nakba". The Politics of Denial. Pluto Press. pp. 7–48. doi:10.2307/j.ctt18dztmq.5, retrieved 2023-11-05 ^ VS (2023-11-29). "About the Nakba". Question of Palestine. Retrieved 2023-11-05. ^ How Palestinians were expelled from their homes, 15 May 2023, retrieved 2023-11-05 ^ Geoffrey A. Hosking (2001). "Russia and the Russians: a history". Harvard University Press. p. 469. ISBN 0-674-00473-6 ^ "The Other Killing Machine". The New York Times. May 11, 2003 ^ a b "China's great famine: 40 years later". British Medical Journal 1999;319:1619–1621 (December 18) ^ Thee, Marek (1976). "The Indochina Wars: Great Power Involvement – Escalation and Disengagement". Journal of Peace Research. 13 (2). Sage Publications: 117–129. doi:10.1177/002234337601300204. ISSN 1460-3578. JSTOR 423343. S2CID 110243986. ^ "You saw it here first: Pittsburgh's Nickelodeon introduced the moving picture theater to the masses in 1905". Pittsburgh Post-Gazette. 18 June 2005. Retrieved 11 February 2018. ^ Jason Whittaker (2004). The cyberspace handbook, Routledge, p. 122, ISBN 978-0-415-16835-9 ^ Coates, James (May 18, 1993). "How Mario Conquered America". Chicago Tribune. Archived from the original on November 23, 2015. Retrieved February 7, 2018. ^ "PlayStation 2 Breaks Record as the Fastest Computer Entertainment Platform to Reach Cumulative Shipment of 100 Million Units" (PDF) (Press release). Sony Computer Entertainment. 30 November 2005. Archived from the original (PDF) on 3 January 2006. Retrieved 8 June 2008. ^ Giordano, Ralph G. (2003). Fun And Games In The Twentieth Century America: A Historical Guide to Leisure. Greenwood Press. p. 20. ISBN 0-313-32216-3. ^ Boyer, Carl B. (1991). A history of mathematics. Metzbach, Uta C., 1933-. Rogers D. Spotswood Collection. (2nd [rev.] ed.). New York: Wiley. ISBN 978-0471543978. OCLC 23823042. ^ Devaney, Robert L. (1990). A first course in chaotic dynamical systems : theory and experiment (6. printing, ed.). Reading, Mass. [u.a.] : Addison-Wesley. ISBN 978-0-201-55406-9. ^ Kenneth Appel; Wolfgang Haken (26 July 1976). "Every Planar Map is Four-Colorable". Bulletin of the American Mathematical Society, Contemporary Mathematics. 98. doi:10.1090/conm/098. ISBN 9780821851036. S2CID 8735627. ^ Thomson, Sir William (1862). "On the Age of the Sun's Heat". Macmillan's Magazine. 5: 288–293. ^ a b c "The Nobel Prize in Physiology or Medicine 1962". NobelPrize.org. Nobel Media AB. Retrieved November 5, 2011. ^ a b c d "James Watson, Francis Crick, Maurice Wilkins, and Rosalind Franklin". Science History Institute. June 2016. Archived from the original on 21 March 2018. Retrieved 20 March 2018. ^ Engel, Pamela (April 23, 2014). "Watch How Quickly The War On Drugs Changed America's Prison Population". Business Insider. ^ "Global Positioning System History". 2012-10-27. Retrieved 2018-02-07. ^ Jacobson, Molly (2022-07-19). ""Seventh Lambeth Conference, Resolutions 9-20" (1930) by the Anglican Communion". Embryo Project Encyclopedia. ISSN 1940-5030. Retrieved 2024-06-12. IPCC AR5 WG1 (2013), Stocker, T.F.; et al. (eds.), Climate Change 2013: The Physical Science Basis. Working Group 1 (WG1) Contribution to the Intergovernmental Panel on Climate Change (IPCC) 5th Assessment Report (AR5), Cambridge University Press{|citation}}: CS1 maint: numeric names: authors list (link). Climate Change 2013 Working Group 1 website. IPCC TAR WG2 (2001). McCarthy, J. J.; Canziani, O. F.; Leary, N. A.; Dokken, D. J.; White, K. S. (eds.). Climate Change 2001: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Third Assessment Report of the Intergovernmental Panel on Climate Change. Cambridge University Press. ISBN 978-0521807685. Archived from the original on 14 May 2016. Retrieved 18 December 2019. {{cite book}}: CS1 maint: numeric names: authors list (link) (pb: 0521015006) Bozarslan, Hamit [in French]; Duclert, Vincent [in French]; Kévorkian, Raymond H. (2015). Comprendre le génocide des arméniens—1915 à nos jours [Understanding the Armenian genocide: 1915 to the present day] (in French). Tallandier [fr]. ISBN 979-10-210-0681-2. Suny, Ronald Grigor (2015). "They Can Live in the Desert but Nowhere Else": A History of the Armenian Genocide. Princeton University Press. ISBN 978-1-4008-6558-1. Brower, Daniel R. and Thomas Sanders. The World in the Twentieth Century (7th Ed. 2013) CBS News. People of the century. Simon and Schuster. 1999. ISBN 0-684-87093-2 Grenville, J. A. S. A History of the World in the Twentieth Century (1994). online free Hallock, Stephanie A. The World in the 20th Century: A Thematic Approach (2012) Langer, William. An Encyclopedia of World History (5th ed. 1973); highly detailed outline of events online free Morris, Richard B. and Graham W. Irwin, eds. Harper Encyclopedia of the Modern World: A Concise Reference History from 1760 to the Present (1970) online Pindyck, Robert S. "What we know and don't know about climate change, and implications for policy." Environmental and Energy Policy and the Economy 2.1 (2021): 4–43. online Pollard, Sidney, ed. Wealth and Poverty: an Economic History of the 20th Century (1990), 260 pp; global perspective online free Stearns, Peter, ed. The Encyclopedia of World History (2001) UNESCO (2008). "The Twentieth Century". History of Humanity. Vol. VII. Routledge. p. 600. ISBN 978-0-415-09311-8. Wikiquote has quotations related to 20th century. Wikimedia Commons has media related to 20th century. The 20th Century Research Project (archived 26 February 2012) Slouching Towards Utopia: The Economic History of the Twentieth Century (archived 6 February 2012) Discovering Literature: 20th century at the British Library Retrieved from " 3 The following pages link to 20th century External tools (link count transclusion count sorted list) - See help page for transcluding these entries Showing 50 items. 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