

Water

Carroll Norwood

Beulah Heights University

April 21, 2018

## Water

Genesis is the base book in which God created the heavens, the universe, and the earth. In the beginning, the earth was vacuum and empty. However, through God's spoken words, the world became filled with His creation and abundances. These resources are from the Lord our God, given to man so that creation may serve and honor His name. The earth, at the direction of God, creates and brings forth many resources. One of these resources included water. The scripture states in Genesis 1:6, "And God said, [l]et there be a firmament in the midst of the waters, and let it divide the waters from the waters." Water is one of the most bountiful and sufficient supplement within the world. This liquid resource is essential to all living elements within the earth. Ultimately, this scripture sets the tone for water, its cycle, and its purpose of resource. In this paper, I will analyze Genesis 1:6, explaining its relation to the water cycle. Further, I will discuss the usage of water and its benefits within the earth. I will then conclude, summarizing my findings and giving my final thoughts. Throughout this research, I will use scientific sources as well as biblical scriptures to analyze water.

### What is Water?

Water is defined as "a substance composed of the chemical elements hydrogen and oxygen and existing in gaseous, liquid, and solid states" (Zumdahl). Within the world, it is the most popular chemical and scientific formula known as H<sub>2</sub>O (or HOH). This formula is created when two hydrogen atoms and one oxygen atom and come together through covalent bonding. This essentially mean that share electrons that allows them to come together (H<sub>2</sub>O). Water is one of the bountiful and fundamental of compounds in the existence of the earth. Essentially, water is a "tasteless and odorless liquid" when it is in normal conditions. The molecule makes up approximately 70% of the earth. Water has the significant capability to dissolve several other

chemical elements and substances. The use of water as a solvent is fundamental to all living creatures and organisms. All forms of life depend on "aqueous solutions." This includes "blood and digestive juices," in which possess organic processes. Water appears as a liquid on Earth under typical conditions, which allows it to be helpful for transport easily for recreational use (Perlman).

Water is also the only substance that transforms into three forms naturally: solid, liquid, and gas. Also, the Celsius temperature scale is based on water at its freezing (0 degrees) and boiling points (100 degrees). When water is in its solid form, it tends to be a lot less dense than its liquid form. This ultimately is why ice has the capability to float in liquid drinks. Water can also absorb a significant amount of heat before its temperature rises. Water further possesses a significant amount of surface tension. Due to this, many bugs can walk on the surface of water because these bugs weigh less than water's surface tension. The construct of a water molecule causes itself to come together and jumble up together to form up such a high tension. This further explains why water has the shape of drops. If gravity did not exist, water would connect jointly in a celestial, circular type of shape (H<sub>2</sub>O).

### The Benefits of Water to the Body

Water has the capability to enhance and be beneficial to the human body. The body itself is made up of approximately 60% of water. Therefore, drinking this substance can help maintain and balance fluids throughout the body, which further helps bring nutrients into the body and helps maintain the body's temperature, digestive system, and other areas. Laura Schwecherl details the many reasons why it is essential to drink water. First, it is a way to control calories within the body and could help one lose weight. Studies have indicated that intake makes

individuals feel less hungry, which causes them to further lose pounds from their body. Water is also a way for individuals can fuel their bodies. Individuals who consistently work out and exercise lose water consistently by sweating. Therefore, they need to be able to drink water in order to build up their strength again. This also helps with those who may feel fatigue and tired due to dehydration. A glass of water can also create productivity within individuals, helping them to concentrate on projects and to stay alert. Studies have also indicated that those who drink water before taking exams tends to do better than those who do not (Schwecherl).

Water can also help many organs to function properly. In order for it to do all of these things properly, water needs to be in one's system. Without water or the lack of drinking water can lead to severe heart problems, strokes, and increase chances of obesity. It helps clear out many toxins out of one's body and helps get rid of skin issues such as acne. Kidneys also depend on water. One's kidneys produces "200 quarts of blood" per day. This helps the body to filter out waste and move urine to one's bladder. Water further helps with the digestive system by adding fluids to the colon. Individuals who suffer from joint pain and muscle cramps are often dehydrated. By drinking water, it can help those aches and pains decrease. Water also helps with the immune system. When an individual is sick or has any ailments within their body, water can help them. It helps builds up cells and strengths the immune system to fight off viruses and diseases. Those who frequently have headaches can also benefit from drinking water. Essentially, water posses many benefits and resources in order for individuals to survivor and function through their life (Schwecherl).

Water as a Resource

Water is not only beneficial to our environment but also to the earth. It is used for a variety of reasons to help maintain the livelihood of people. The first use of water is for is that of domestic use. This essentially covers the household purposes water can be utilized. This includes cooking, drinking, and bathing. Without water being used in these areas, it would be difficult to maintain one's hygiene and health. Water is also used for agricultural purposes, in which it helps produce the food our society consumes. It can be used for farming, gardening, and fisheries. If individuals were unable to use water to produce agricultural than it would be hard to reproduce plants and animals that proved us with substances. These things further help reproduce trees which help regulate oxygen within the air. This is incredibly essential to one's life.

Further, water can be used for recreational purposes, in which individuals use water for leisure, entertainment reasons. Not only does water provide individuals with survival needs, but for satisfaction and enjoyment purposes as well. This includes a variety of things such as swimming, canoeing, and suffering. People have also made amusement parks that compose of waterslides and games as well. Water also can be used for industry purposes in which it helps manufacturer companies and factories. Many nuclear planets are by water because it helps to produce within a factory as well. Finally, water is used for hydropower generating, in which it helps powers communities around the world using dams. There are many usages of water that individuals often take for granted and commonly ignore. God gave man the ability to come up with so many ways that could help man kind use this simple resource. This was his intentions since the creation of the earth.

Genesis 1:6

Genesis 1:6 was the first mention of the waters being separated from other waters and the sky. The first part of this verse states, “[l]et there be an expanse in the midst of the water.” God spoke the expansion of water into reality. This interrupts distance between earth, clouds and heaven. Essentially, water in its liquid form connects to each other, creating huge masses of water. In some instances, this liquid transform into heavy mists, fogs, and vapors. This new form does not protrude over these masses, but rather rest on it (“What Was the Firmament in the Bible?”). According to many scholars, firmament is another translation for the sky. This conclusion from the creation of the earth, and God placing the stars, sun, and moon with in the firmament. Further, in verse eight, in states that “[a]nd God called the firmament Heaven.” The Hebrew meaning for firmament is heaven and sky. Therefore, God allowed for the waters to create the sky, which includes evaporations of vapor. The separation of the water proceeded to the third day. In this day, the water, which was now disconnected from the sky, was suddenly collected into large masses of water. These waters were known as the "seas." Several other books in the Bible, such as Ezekiel and Daniel also describe firmament as the sky as well.

Within the Bible, water is mentioned 722 times. Genesis ultimately distinguishes water and how it came to fruition. Before there was anything within this earth, there was water. God created the earth from water, and the sky in the midst of water, and called forth land and animals from water. Essentially, water flows throughout the Word of God, showing its importance in strength and might within the life of the Believers. It further touches on the process in which the water cycle functions within the earth.

The Water Cycle

The water cycle, also known as hydrologic cycle, is defined as “the natural sequence through which water passes into the atmosphere as water vapor, precipitates to earth in liquid or solid form, and ultimately returns to the atmosphere through evaporation” (water cycle). The scripture illustrates several instances of the water cycle, and in a way begins with Genesis 1:6. When God separated the waters from the waters and the water from the sky, he further created a way in which it could recycle itself. The hydrologic cycle starts with the evaporation of water from the surface of the ocean. Evaporation is when water in its liquid form transitions into gas. Its liquid form turns into vapor, or gas, when "heat energy" is given to produce its "temperature to 100°C.” The liquid state opens the bonds into water molecules, which is gaseous in structure.

The substantial, massive bodies of water, such as lakes, rivers, oceans, and seas help to absorb heat from the sun. Researcher's believe that approximately 90% of moisture within the atmosphere comes from these masses of water. The volume of moisture placed into the atmosphere from the evaporation process from the oceans is more than the precipitation it takes in. Further, evaporation of moisture on earth is fewer than the precipitation it collects. Ice within arid climates can change immediately into vapor without becoming liquid. Snow can also do the same thing because it sucks up the moisture. This process is known as sublimation. 10% of moisture in the atmosphere comes from refine from transpiration (The Water Cycle). Evaporation is elaborated on in Psalm 135:7. The text states “He causes the clouds to rise from the ends of the earth. He makes lightning for the rain and brings the wind from the storehouses.” This process of rises is similar to that of vapor rising, which what evaporation is.

Condensation the convert of water in its vapor state in the atmosphere that changes into water in its liquid state. Essentially this is the opposite of evaporation. This stage is incredibly significant because it is the cloud formation stage. Cool temperatures are preconditioned for

condensation to develop, because if the temperature in the atmosphere is high, it can operate the water vapor and prevent condensation from occurring. As vapor goes up into the atmosphere, it blends with microscopic molecules of "dust, soot and salt," also known aerosols. As temperatures drop, vapor turns into small particles of water and ice crystals. This ice bumps into the aerosols and combine. As more particles and aerosols combine, clouds form. This is coalescence. Cloud droplets range and come in many capacities and sizes. Eventually, the atmosphere fills up and saturation occurs. This means that water and ice come down as a process of precipitation. (The Water Cycle). Condensation is referenced in two places in the scripture. First is Job 26:8 which states "He enfolds the waters in His clouds, yet the clouds do not burst beneath their weight." This discusses the formation of clouds. The other reference is Job 37:11 which states "He saturates clouds with moisture; He scatters His lightning through them." This refers to the clouds absorbing moisture to the point that it is ready to release down the rain.

Precipitation is another stage in the water cycle. This is when numerous water forms displayed in the atmosphere. It can produce as fog and may not become rain but is still classified as precipitation. After condensation, the proportion of water droplets from the atmosphere get fuller as more and more water particles come together. Soon, the fall velocity or the "force of gravity" is more than the wind or air currents holding it. The water then comes down. Particles are essential in forming rain because they perform as a wall around which the water. This ultimately is why rain is not the purest form of water because it contains a variety of minerals. The volume of water that falls from the sky varies. Some regions always have rain, while others little amounts of rain (The Water Cycle). Precipitation can be in the "form of rain, snow, sleet and hail." Job 36: 27-28 elaborates on precipitation. It states "[f]or He makes waterdrops

evaporate they distill the rain into its mist, which the clouds pour out and shower abundantly on mankind.” This is essentially how precipitation works within the earth.

### Conclusion

Water is a significant part of our livelihood. It is a significant resource in which all of mankind needs. The purpose of it can be used for numerous things and is essential to one's health. The bible makes many mentions of water and its purpose. God spoke the waters into existence and separated it from the heavens. His creation of water has helped shaped the earth and the universe. The water He has brought forth helps maintain life, and all of creation should give Him praises for that. Water is a key resource and symbolism to the Believers of God. The word of God and water help sustain and maintain the body and spirit of the Saints of God. They further remind the Saints of His power and strength. His presence is like water in which He fills the saints up continuously. Water, nor the Creator our Father, should not be taken lightly.

## Works Cited

Perlman, Howard, and USGS. "Summary of the Water Cycle." The Water Cycle Summary, USGS Water Science School, [water.usgs.gov/edu/watercyclesummary.html](http://water.usgs.gov/edu/watercyclesummary.html).

S., N. (n.d.). H<sub>2</sub>O. Retrieved March 25, 2018, from <http://www.all-water.org/Chemistry.html>

Schwecherl, L. (2018, February 08). 12 Unexpected Reasons to Drink More Water. Retrieved March 25, 2018, from <https://greatist.com/health/reasons-to-drink-water>

The water cycle. (n.d.). Retrieved March 18, 2018, from <http://www.eschooltoday.com/water-cycle/the-water-cycle.html>

water cycle. (n.d.). Dictionary.com Unabridged. Retrieved March 18, 2018 from Dictionary.com website <http://www.dictionary.com/browse/water--cycle>

"What Is the Firmament the Bible Talks about?" (n.d.) Retrieved March 25, 2018 from [www.compellingtruth.org/firmament-Bible.html](http://www.compellingtruth.org/firmament-Bible.html).

"What Was the Firmament in the Bible?" GotQuestions.org, 21 Feb. 2018, [www.gotquestions.org/firmament-Bible.html](http://www.gotquestions.org/firmament-Bible.html).

Zumdahl, Steven S. "Water." Encyclopædia Britannica, Encyclopædia Britannica, Inc., 28 Feb. 2018, [www.britannica.com/science/water](http://www.britannica.com/science/water).