

Free reading Shape of water the .pdf

water is an inorganic compound with the chemical formula H_2O it is a transparent tasteless odorless and nearly colorless chemical substance and it is the main constituent of earth's hydrosphere and the fluids of all known living organisms in which it acts as a solvent a simple look at the science of water what it is why it behaves in strange ways and how we use it water substance composed of the chemical elements hydrogen and oxygen and existing in gaseous liquid and solid states it is one of the most plentiful of compounds and has the important ability to dissolve many other substances which was essential to the development of life water H_2O is a polar inorganic compound that is at room temperature a tasteless and odorless liquid which is nearly colorless apart from an inherent hint of blue it is by far the most studied chemical compound and is described as the universal solvent and the solvent of life drinking water has numerous benefits water is crucial for many bodily functions such as lubricating the joints delivering oxygen throughout the body preventing kidney damage and more water is everywhere from huge oceans to invisible water molecules making up water vapor in the air of course you can see and feel the physical properties of water but there are also many chemical electrical and atomic scale properties of water that affect all life and substances on earth the meaning of water is the liquid that descends from the clouds as rain forms streams lakes and seas and is a major constituent of all living matter and that when pure is an odorless tasteless very slightly compressible liquid oxide of hydrogen H_2O which appears bluish in thick layers freezes at $0\text{ }^{\circ}\text{C}$ and boils at $100\text{ }^{\circ}\text{C}$ has a maximum water is vital for your health it is necessary for temperature regulation digestion nutrient absorption and body waste removal drinking water daily can prevent dehydration a condition that can cause mood and memory problems constipation and kidney stones water is a polar molecule each molecule is bent with the negatively charged oxygen on one side and the pair of positive charged hydrogen molecules on the other side of the molecule water is the only common compound that exists in solid liquid and gas phase under ordinary natural conditions this article will tackle everything and anything you would need to know about why water is important including why we need to drink water what happens when we don't get enough and the effect water inorganic compound composed of hydrogen and oxygen H_2O existing in liquid gas steam water vapour and solid states at room temperature water is a colourless odourless tasteless liquid one of the most abundant compounds water covers about 75% of earth's surface water is a molecular compound consisting of polar molecules that have a bent shape the oxygen atom acquires a partial negative charge while the hydrogen atom acquires a partial positive charge water is one of the few known substances whose solid form is less dense than the liquid the plot at the right shows how the volume of water varies with the temperature the large increase about 9% on freezing shows why ice floats on water and why pipes burst when they freeze the three main sources of water are rainwater groundwater this includes water bodies like wells and springs surface water this includes different water bodies like reservoirs rivers streams ponds lakes and tanks importance of water we all need water for different daily activities including you've probably heard the advice to drink eight glasses of water a day that's easy to remember and it's a reasonable goal most healthy people can stay hydrated by drinking water and other fluids whenever they feel thirsty for some people fewer than eight glasses a day might be enough water undergoes various types of chemical reactions one of the most important chemical properties of water is its ability to behave as both an acid a proton donor and a base a proton acceptor the characteristic property of amphoteric substances up to 60% of the human adult body is water according to Mitchell and others 1945 the brain and heart are composed of 73% water and the lungs are about 83% water the skin contains 64% water muscles and kidneys are 79% and even the bones are watery 31% it helps create saliva water is a main component of saliva saliva also includes small amounts of electrolytes mucus and enzymes it's essential for breaking down solid food and earth's water is almost everywhere above the earth in the air and clouds on the surface of the earth in rivers oceans ice plants in living organisms and inside the earth in the top few miles of the ground for an estimated explanation of where earth's water exists look at this bar chart water helps to restore fluids lost through metabolism breathing sweating and the removal of waste it helps to keep you from overheating lubricates the joints and tissues maintains healthy skin and is necessary for proper digestion it's the perfect zero calorie beverage for quenching thirst and rehydrating your body

water wikipedia

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water H_2O is a polar inorganic compound that is at room temperature a tasteless and odorless liquid which is nearly colorless apart from an inherent hint of blue it is by far the most studied chemical compound and is described as the universal solvent and the solvent of life

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drinking water has numerous benefits water is crucial for many bodily functions such as lubricating the joints delivering oxygen throughout the body preventing kidney damage and more

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water is everywhere from huge oceans to invisible water molecules making up water vapor in the air of course you can see and feel the physical properties of water but there are also many chemical electrical and atomic scale properties of water that affect all life and substances on earth

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the meaning of water is the liquid that descends from the clouds as rain forms streams lakes and seas and is a major constituent of all living matter and that when pure is an odorless tasteless very slightly compressible liquid oxide of hydrogen H_2O which appears bluish in thick layers freezes at $0\text{ }^{\circ}\text{C}$ and boils at $100\text{ }^{\circ}\text{C}$ has a maximum

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this article will tackle everything and anything you would need to know about why water is important including why we need to drink water what happens when we don't get enough and the effect

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the three main sources of water are rainwater groundwater this includes water bodies like wells and springs surface water this includes different water bodies like reservoirs rivers streams ponds lakes and tanks importance of water we all need water for different daily activities including

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you've probably heard the advice to drink eight glasses of water a day that's easy to remember and it's a reasonable goal most healthy people can stay hydrated by drinking water and other fluids whenever they feel thirsty for some people fewer than eight glasses a day might be enough

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up to 60 of the human adult body is water according to mitchell and others 1945 the brain and heart are composed of 73 water and the lungs are about 83 water the skin contains 64 water muscles and kidneys are 79 and even the bones are watery 31

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earth s water is almost everywhere above the earth in the air and clouds on the surface of the earth in rivers oceans ice plants in living organisms and inside the earth in the top few miles of the ground for an estimated explanation of where earth s water exists look at this bar chart

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water helps to restore fluids lost through metabolism breathing sweating and the removal of waste it helps to keep you from overheating lubricates the joints and tissues maintains healthy skin and is necessary for proper digestion it s the perfect zero calorie beverage for quenching thirst and rehydrating your body

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