

Unit 10: Water (Part 1)

By the end of this unit, you should be able to

- Describe the daily uses of water that an average American citizen uses
- Purify a sample of water and explain the process
- Describe the properties of water in its three states; solid, liquid and gas
- Explain where the Earth's water is and how it cycles through the Hydrologic Cycle
- Describe the physical properties of water including how its density varies with temperature, surface tension, freezing and boiling point
- Classify matter as an element, compound, mixture and solution
- Write the chemical formulas for compounds using the periodic table
- Explain what an ion is and how it forms bonds with other ions
- Explain what a precipitate is

Water Vocab:

Hydrologic Cycle	Suspension	Chemical Symbol
Evaporates	Heterogeneous Mixture	Chemical Formula
Condenses	Homogeneous Mixture	Chemical Equation
Water Vapor	Solution	Chemical Reaction
Purification	Solute	Ion
Density	Solvent	Ionic Compound
Freezing Point	Matter	Anion
Surface Tension	Compound	Cation
Mixture	Molecule	