

Water Career Cards

NOTE: This is a limited list of careers involved in transporting water from a source to homes and back to the source. Many more people are actually involved in this process. The arrangement of the careers is based on seven main categories. The sequence of careers within each category may vary somewhat, because the responsibilities of some careers coincide or overlap.

CATEGORY I: Careers involved in removing water from the source (reservoir, river, lake, or ground water supply) and transferring it to a water treatment plant.

<p style="text-align: center;">HYDROLOGIST</p> <p>A scientist who measures the properties and movement of water, often assessing its availability.</p>	<p style="text-align: center;">HYDRAULIC ENGINEER</p> <p>An engineer who has knowledge of the mechanical properties of water and who would be involved in designing or maintaining a dam or water retention devices.</p>
<p style="text-align: center;">WATER MASTER</p> <p>A person who monitors withdrawal of water by water users in watersheds where supplies may be limited.</p>	<p style="text-align: center;">MICROBIOLOGIST</p> <p>A scientist who studies microorganisms to determine the quality of the water and the health of the water source.</p>
<p style="text-align: center;">FISHERIES BIOLOGIST</p> <p>A scientist who studies the population and behavior of fish species in relation to available habitats and quality of the water resource.</p>	<p style="text-align: center;">HYDROGEOLOGIST</p> <p>A scientist who studies the properties and movement of ground water and aquifers.</p>

CATEGORY II: Careers involved in operating water treatment plants and removing impurities from the water before distribution.

<p style="text-align: center;">WATER TREATMENT PLANT OPERATOR</p> <p>A person who oversees chemical analysis procedures and who controls and maintains equipment at a water treatment plant.</p>	<p style="text-align: center;">CHEMIST (Water Treatment)</p> <p>A scientist who tests water at a water treatment plant to ensure its suitability for public consumption.</p>
<p style="text-align: center;">TREATMENT PLANT TECHNICIAN</p> <p>A person who operates and maintains the water treatment plant.</p>	





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CATEGORY III: Career responsible for transporting the treated water to a storage tank.

WATER WORKS ENGINEER

A person who designs systems for the transport of water, often in municipal settings, and who can also be the person controlling the discharge of water from places of storage.

CATEGORY IV: Careers involved in planning, constructing, and maintaining distribution systems that carry water underground to homes.

WATER POLICY PLANNER

A person who studies water-related problems and issues and who prepares plans for consideration by agency decision makers and the public.

MUNICIPAL PLANNER

A person who works with engineers and local officials to determine the municipal needs, including the optimal water supply system for a city. This person is knowledgeable about the relevant laws.

SPECIAL INTEREST GROUPS

Groups that have special interests in the protection or use of water. They are involved as lobbyists when laws are made and have a voice at public meetings involving water.

CATEGORY V: Careers involved in monitoring quantities of water used in homes and maintaining service lines to homes.

METER READER

A person who reads the water meter at your house to determine how much water is used monthly.

PLUMBER

A person who designs a system and fits pipes for the transportation of water (both drinking and sewage) in homes, facilities, and buildings.



CATEGORY VI: Careers responsible for transporting wastewater to the wastewater treatment plant and monitoring sanitary conditions.

<p style="text-align: center;">WATER LINE TECHNICIAN</p> <p>A person who plans and installs main lines and service lines throughout the town.</p>	<p style="text-align: center;">SANITARIAN</p> <p>A person who enforces public health, especially in relation to garbage and sewage disposal.</p>
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CATEGORY VII: Careers involved in operating wastewater treatment plants and ensuring water quality prior to its return to the source.

<p style="text-align: center;">WASTEWATER TREATMENT PLANT OPERATOR</p> <p>A person who controls and maintains equipment at a sewage treatment plant.</p>	<p style="text-align: center;">CHEMIST (Wastewater Treatment)</p> <p>A scientist who tests water after it has been treated at a wastewater treatment plant to ensure its suitability for reintroduction into a stream.</p>
<p style="text-align: center;">MICROBIOLOGIST</p> <p>A scientist who studies microorganisms to determine the quality of the water and the health of the water effluent or discharge.</p>	

