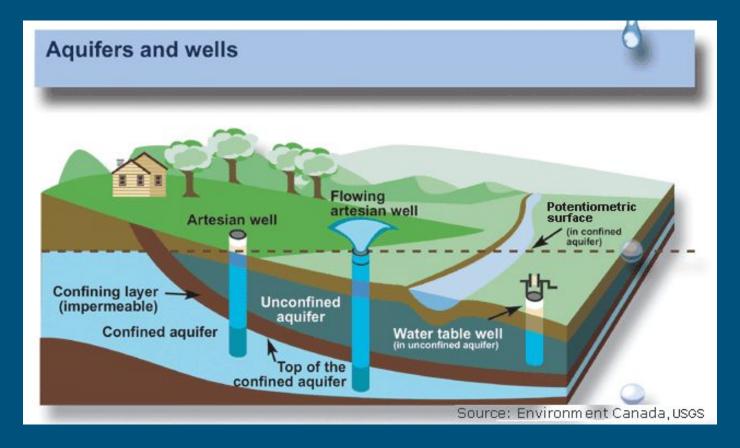
Sustainable Water

Terms & Definitions

Aquifer

A body of permeable rock that can contain or transmit groundwater.



USGS Water Science: http://water.usgs.gov/edu/earthgwaquifer.html

Desertification

The process by which fertile land becomes desert, typically as a result of drought, deforestation, or inappropriate agriculture.



Ace Geography: http://www.acegeography.com/what-is-desertification.html

Water Pollution

Contamination of water bodies (ex: lakes, oceans, aquifers and groundwater). Water without adequate treatment to remove harmful compounds.

Fast Facts:

Every day 2 million tons (1.8 billion kilograms) of human waste are disposed of in waterways around the world.

http://environment.nationalgeographic.com/environment/freshwater/pollution/

More Fast Facts:

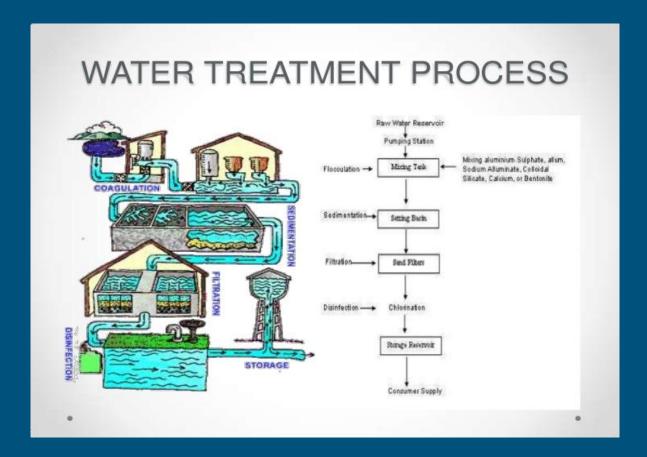
- -In developing countries, 70 percent of industrial wastes are dumped untreated into waters, polluting the usable water supply.
- On average, 99 million pounds (45 million kilograms) of fertilizers and chemicals are used each year.
- Portland, Oregon, is actively pursuing "green roofs" and "green streets" to prevent sewer overflows into the Willamette River. Chicago, Illinois, now has more than 517,000 acres (209,222 hectares) of vegetated roofs-more than any other U.S. city-which are helping to catch storm water, cool the urban environment, and provide opportunities for rooftop gardens.



Discharge from a Chinese fertilizer factory winds its way toward the Yellow River. - Photography by Greg Girard

Filtration

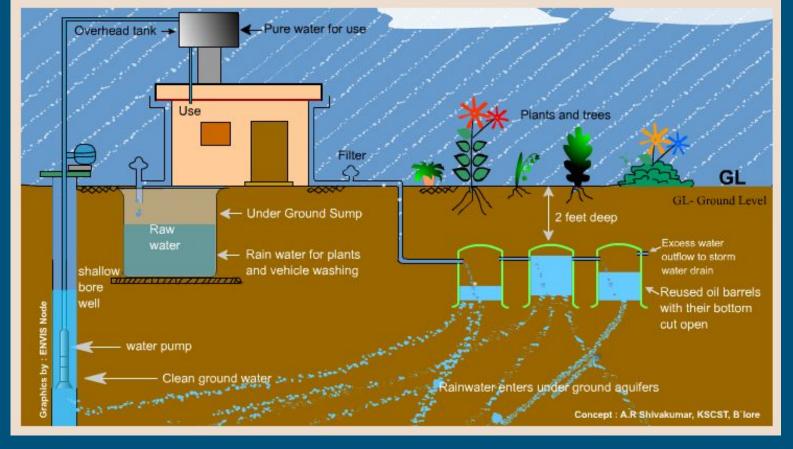
The action or process of filtering something. "Small particles are difficult to remove without filteration"



By: M. Vinod Kumar

Rainwater Harvesting

Collection of water from surfaces on which rain falls, and subsequently storing this water for later use. Normally water is collected from roofs of buildings and stored in rainwater tanks.



http://www.kelvinindia.in/rain-water-harvesting-system.html

Water Recycling

To recover useful materials from garbage or waste. To extract and reuse.

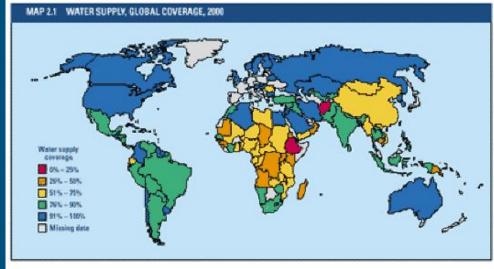
https://www3.epa.gov/region9/water/recycling/



http://www.water.ca.gov/recycling/

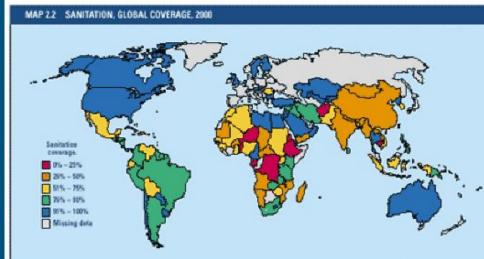
Water-borne disease

Any illness caused by drinking water contaminated by human or animal faeces, which contain pathogenic microorganisms.



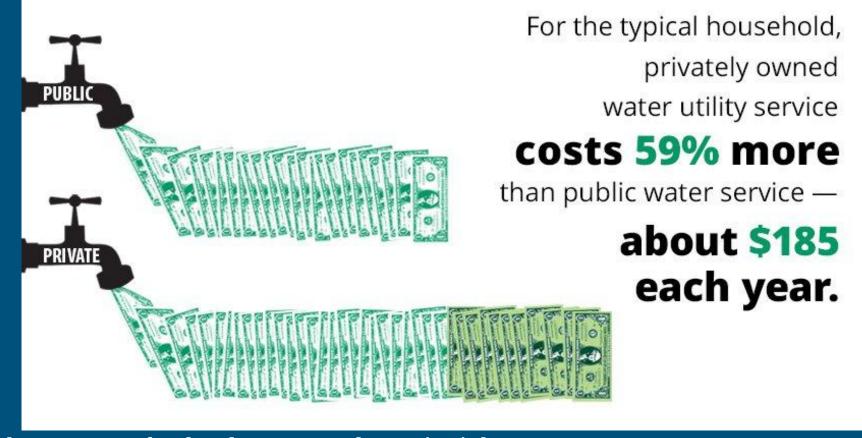


es/diseases/waterborne-diseases.htm



Privatization

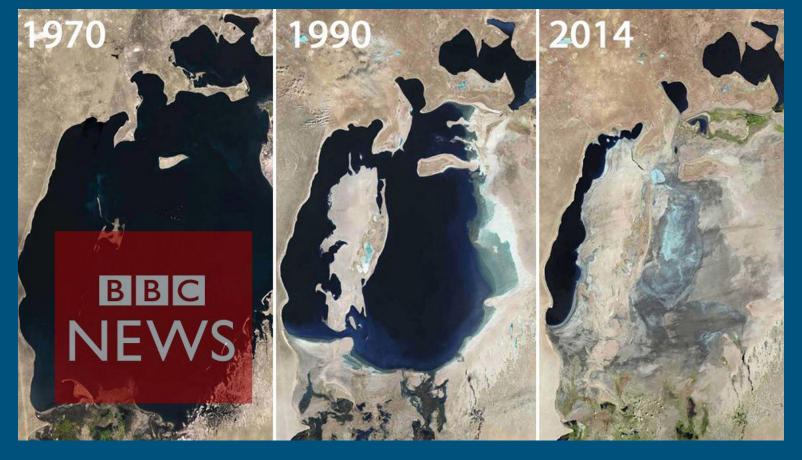
The process of transferring an enterprise or industry from the public sector to the private sector. The public sector is the part of the economic system that is run by government agencies. http://whatis.techtarget.com/definition/privatization



http://www.foodandwaterwatch.org/insight/water-privatization-facts-and-figures

Drought

A period of below-average precipitation in a given region, resulting in prolonged shortages in its water supply.



BBC News - Man Made Desaster (irrigation canals)

Surplus

When there is more rainfall than evaporation.

