

Chapter 11 Section 2 Notes

Global Water Use – The 3 major global uses of fresh water are: residential, agricultural, and industrial

Residential Water Use

Water Treatment – involves adding chlorine
pathogen – disease-causing organism; ex) bacteria
potable – safe to drink; ex) bottled water

Industrial Water Use

Fresh water is used in industry:

- in manufacturing processes
- in the disposal of waste products
- to generate power

Agricultural Water Use

Irrigation – method of providing water to plants other than by precipitation
Worldwide, irrigation uses the greatest percentage of fresh water of any activity

Water Management Projects

Water Diversion Projects – may involve the movement of water to dry regions using canals
Many areas of the world that do not have adequate fresh water have become habitable
because water management projects have diverted water to the areas.

Dams and Reservoirs
reservoir – artificial lake

Water Conservation

Water Conservation in Agriculture - The best way for a desert farmer to conserve water by reducing water loss from evaporation and seepage is to install a drip irrigation system.

Water Conservation in Industry

Water Conservation at Home – one way a person can conserve water is to use a low-flow shower head and take short showers

Solutions for the Future

Desalination – process of removing salt from water
Transporting Water
Low-Cost Solutions