

**Water Use & Management
Study Guide
EVPP 111 Lecture - Spring 2004
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Water Use and Management

- Why is water important to life on earth?
- What are some of the physical properties of water?
- What percentage of the earth's surface is covered with water?
- What percentage of the water on earth is fresh?
- What percentage of the freshwater on earth is accessible for human use?
- What is the primary factor that affects variations in global water supply?
- What are the main aspects of the hydrologic cycle?
- What are the two main types of water associated with land?
- What are the various types of surface water?
- How is surface water replenished?
- Is surface water considered a renewable resource?
- What is a drainage basin?
- What is a watershed?
- What is groundwater?
- What is an unconfined aquifer?
- What are the characteristics of an unconfined aquifer?
- What is a confined aquifer?
- What are the characteristics of a confined aquifer?
- What is an artesian aquifer?
- How is groundwater recharged?
- What is water withdrawal?
- What is water consumption?
- What are the four broad use categories of water?
- What are the factors that affect water use around the world?
- What percentage of global freshwater is used for domestic purposes?
- Why is so much domestic water wasted?
- The major consumptive use of water in most parts of the world is what?
- What is in-stream water use?
- What are the major in-stream uses of water?
- What are some of the pros and cons of dams?
- The majority of water used by industry is used for what purpose?
- What are the primary sources of municipal water pollution?
- What is biochemical oxygen demand?
- What is thermal pollution?
- What are some of the primary sources of groundwater pollution?
- What is water diversion?
- What are some of the problems water diversion can cause?
- What are the three levels of wastewater treatment?

- What occurs during primary wastewater treatment?
- What occurs during secondary wastewater treatment?
- What occurs during tertiary wastewater treatment?
- What is groundwater mining?
- What is salinization?
- What are some of the main summary points of the UN World Water Report?