Fresh and Saltwater Systems Concept Map

Water Distribution

Water source	% of total water	Potable, or not?
Oceans	**97.24%**	**Saltwater**
Icecaps, Glaciers	**2.14%**	Frozen
Ground water	**0.61%**	Fresh - but not entirely accessible
Fresh-water lakes	**0.009%**	Potable
Inland seas	**0.008%**	Saltwater
Soil moisture	**0.005%**	Indirect access
Atmosphere	**0.001%**	Indirect access
Rivers	**0.0001%**	Potable
Total water	100%	

Water Action

Waves **Tides**

Erosion
Deposition
Weathering

Water Systems
Watersheds
Continental Drainage Systems

Glaciers → Glacial Landform Features

Currents
Climate

Water Quality

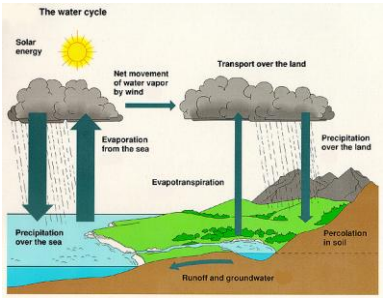
Chemical

Biological

Water Quality Testing

Water, Water, Everywhere →

Monitoring Quality



Water Use

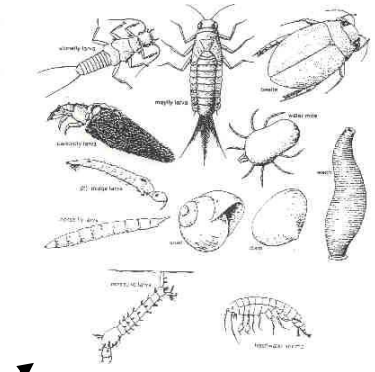
Water for Life

Water Use Processes to Improve Water Quality

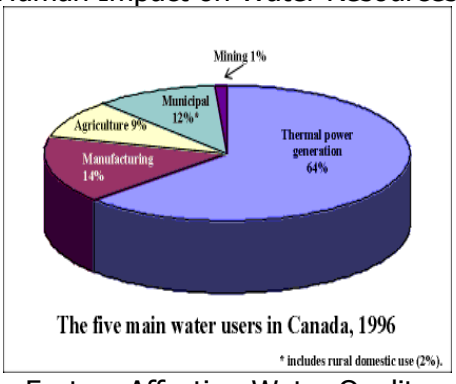
Distillation

Reverse Osmosis

Biological Indicators



Human Impact on Water Resources



Factors Affecting the Diversity of Aquatic Organisms

Temperature **Pressure**
Light **Salinity**
Water Movement
Environmental Changes
Seasonal Short-Term Long-Term

Factors Affecting Water Quality

Runoff **Sewage**
Dumping **Construction**
Spills **Pollution**