Charles River Study Guide:

Topographic Maps:

* Matching a profile to a topographic map
* Contour Lines
	+ Contour Intervals
	+ Map Scale
	+ Identifying steep vs gentle slope
	+ Identifying a depression
	+ Determining the direction of a river
	+ Determining the elevation at different spots
* Check over the Explore Learning notes, assessment, and topographic map packet

Charles River Watershed Facts:

* What is a watershed?
* How long is the Charles River
* Where does it flow from?
* Where does it flow to?

Water Quality Tests and Pollutants: Look at article on Nutrients in Lakes and Streams

* Know the effects of certain pollutants to the Charles and how these pollutants enter the river.
* What do the following tests indicate about the health of the river?
	+ Nitrates
	+ Phosphates
	+ pH
	+ Turbidity
	+ Dissolved Oxygen
	+ Temperature
* Define the following terms
	+ Eutrophication
	+ Algae bloom
	+ Point source
	+ Non point source
	+ Runoff

Waste Water Treatment Plant: Briefly explain the following stages (Look at handout)

 Primary Stage: Filter out big particles, sludge

 Secondary Treatment: Add bacteria and aeration(oxygen) – decomposes waste

 Tertiary Treatment: Disinfection with UV LIGHT, and more aeration