2/14–2/16 Water pollution, remediation

**Assigned Reading** Environmental Science Ch 20 p. 414-428 Skip p. 421-422 (Closer Look 20.2) and skip p. 425 (section 20.3). Be sure to study tables 20.1 and 20.2

**What to know**
* what the primary water pollution problem in the world is

* what a high Biochemical Oxygen Demand indicates

* why a fecal coliform bacteria test is done, what the presence of fecal coliform bacteria indicates, and two common waterborne diseases

* at least 3 sources of surface water pollution, and 4 sources of groundwater pollution (from table 20.1)

* the difference between a point source and a nonpoint source of pollution, some examples of each, and which is easier to treat

* the estimated percentage of known waste disposal sites that are potential sources for groundwater pollution

* reasons why groundwater is more difficult to remediate than surface water

* the two major groundwater pollution problems faced by Nassau and Suffolk counties, Long Island, New York, and what caused the pollution

**Vocabulary**

biochemical oxygen demand

bioremediation

fecal coliform bacteria

point source

nonpoint source

saltwater intrusion