



Water & Osmoregulation

Do some osmosis problems on the BIOL 101 web site.

Anadromous fish	Kidney
Biochemical oxygen demand	John Muir
Bioremediation	Oligotrophic
California Aqueduct	Osmosis
Desalination	Osmoregulation
Eutrophic	Prior use (appropriations) rights
H ₂ O	Riparian use rights
Hetch Hetchy	Urea

Questions

1. From where does the water for your home come?
 2. Which of the following is essential for all living organisms?
a) organic chemicals; b) vitamins; c) air; d) water; e) light.
 3. “Hetch Hetchy Valley” is an essay by John Muir available on the BIOL 101 web site. Read the essay and be able to answer the following questions:
 - What is the Merced Yosemite?
 - What is the Tuolumne Yosemite?
 - What is the elevation of the Tuolumne Valley?
 - What did Muir think of the proposed 175-foot lake
 4. Use the Water Pollution Study on the web to answer the following questions <skylinecollege.edu/case>:
Control conditions: 8 ppm untreated sewage at 54°F
 - What is the effect of dumping sewage in warmer water? In colder water?
 - What is the effect of dumping more sewage? Less sewage?
 5. What happens if a plant cell is put in distilled water? In seawater?
 6. What happens if an animal cell is put in distilled water? In seawater?
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