## 2.500 Desalination and Water Purification Spring 2009

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## Water and Sanitation Literacy Quiz

Susan Murcott 2.500 class April 2009

This quiz is mainly multiple choice and should take no more than 10 minutes.

- 1. What is the Millennium Development Goals for Water and Sanitation?
- 2. How many people in the world lack "adequate" sanitation?
- a. ½ B b. 1.2 B c. 2 B d. 2.6 B e. 3.8 B f. we don't know
- 3. Which of the following are included in the definition of "adequate" sanitation?a. pour flush toilets b. open defecation c. bucket latrines d. shared facilitiese. pit latrine with slab
  - 4. What % of wastewater in the world is released to the environment without treatment?
- a. 5% b. 15% c. 25% d. 60% e. 88% f. 95%
  - 5. How much water do we typically consume in the Boston per day on a per capita basis (assuming we include all residential, commercial, agricultural and industrial use)? [Note: 1 gallon = 3.78 liters. 264 gallons =  $1 \text{ m}^3$ ]
- a. 25 gallons b. 50 gallons c. 75 gallons d. 100 gallons e. 150 gallons f. 200 gallons

Conventional: a. 1 gallon gallons  Low-Flow: a. ½ gallon		b. 2.2 gallons	c. 3.4 gallor	gallons d. 4 gallo	
		b. 1.2 gallons	c. 1.8 gallons	d. 2 gallon	ons e. 2.2 g
net	work to Deer Is	oilet or use water land. What is the l Treatment Plant?			
-		y c. tertiary tment for potable r		sis	
		technology that is est invented and in		er Island Was	stewater
a. 1690	b. 1916	c. 1955	d. 1975	e. 1985	f. 1999
	w much do we p Boston?	oay per household	per year for wat	er and waste	water trea
a. \$565	b. \$635	c. \$790	d. \$990	e. \$1185	f. \$156
is to	o water/wastewa	principles of "Blue ater/watershed sys gn generally?	tems what "Gree		