



GLOBAL WATER WATCH

WATER CHEMISTRY MONITORING RECERTIFICATION

Monitor _____ Phone No. _____

Group _____

Workshop Location _____ Date _____

City _____ State _____ Zip _____

A. Answer the questions below by entering T (true) or F (false) in the first column, without using the GWW monitoring manual.

		F / V	pg
1	Most (95%) water on planet Earth is fresh water		
2	A pipe discharging municipal sewage into a stream is considered point source pollution		
3	Temperature affects how much dissolved oxygen is found in water		
4	Temperature above 30°C is lethal for many aquatic organisms		
5	The optimum range of pH for aquatic life is between 4.0 and 11.0		
6	Water with pH between 6.0 and 8.5 is lethal to fish		
7	Total hardness is a measure of dissolved calcium and magnesium in water		
8	Green living plants do not need magnesium at all		
9	Water with high alkalinity (>150) may experience sudden changes in pH		
10	Water with less than 20 mg/L in alkalinity is optimum for fish		
11	All dissolved oxygen in water is a product of plants		
12	Water with dissolved oxygen between 2 and 4 ppm is excellent for fish		
13	Water with 50% dissolved oxygen saturation is excellent for aquatic life		
14	A lake that experiences chronic dissolved oxygen supersaturation may need more nitrogen and phosphorous		
15	All chemicals in the GWW test kit are good for more than 5 years		

B. Use the GWW monitoring manual to find a page with information that can support your answer, and write the page number on the second column.

C. Describe the basic maintenance required by the water chemistry kit, in order for the water tests to provide credible data?

D. Name the waterbody of your interest and the concern you have about it.

- E. Test the water provided by the trainer, the same way you conduct your routine monitoring, and write your results on the first column of the table below. Please use the instructions if needed; this is not a test, but a procedures check-up session.

WATER VARIABLE	MONITOR	AWW TRAINER
Temperature	Air: _____ Water: _____ °C	Air: _____ Water: _____ °C
pH	_____	_____
Total Alkalinity	_____ drops x 5 = _____ mg/L	_____ drops x 5 = _____ mg/L
Total Hardness	_____ drops x 10 = _____ mg/L	_____ drops x 10 = _____ mg/L
Dissolved Oxygen (DO)	#1: _____ ppm #2: _____ ppm	#1: _____ ppm #2: _____ ppm
% DO Saturation	\bar{X} DO _____ % DO Sat _____	\bar{X} DO _____ % DO Sat _____
Turbidity	_____ additions _____ mL sample _____ JTU	_____ additions _____ mL sample _____ JTU
Secchi Depth	_____ meters	_____ meters
Spec. Grav. / Salinity	S. G. _____ Salinity: _____	S. G. _____ Salinity: _____

Was your testing kit inspected? YES NO

Observations/Comments: _____

- F. I hereby declare that after this session, my GWW Water Chemistry monitoring certification is current, that I will confirm the freshness of each reagent I will use before I conduct water testing, and that I will submit to GWW credible data to my knowledge.

Monitor Signature: _____

GWW Trainer: _____

Submit printed pages with answers to the GWW office.

	<p>Apr -16</p>	<p align="center">Global Water Watch 559 DeVall Drive, Auburn University, AL 36849-5424 Toll Free: 1-888-844-4785 ~ Fax: 334-844-9208 Email: gww@auburn.edu ~ Web: www.globalwaterwatch.org</p>
---	----------------	---