Water Quality Experimental Design Graphic Organizer

Question:			What is the Dependent monitoring for?)	ent Variable (DV) ?(What are you
What is this about?				
***From the list above, circle of Comparison: You are comparing the DV:	→	rd "healthy" range. Wha When will I measure	t are the healthy ranges f	Options: Set levels at Hold IV constant at Equal numbers of& Use same subject at different times: Divide equally between control and experimental groups For each test? Where will I measure?
Purpose:				
How will I know if the water is the How will I know if the water is th	•			
Independent Variable Part of the experiment changed by the experimenter	Dependent Variable Part of the experiment that change the IV- is measured or observed to	s because of Parts of the e	experiment that remain prevent affecting the soutcomes	Control Level of the IV that you compare back to- unchanged or in the natural state

Experimental Checklist

Complete the checklist below and check each step as it is completed.

What could go wrong in this experiment?		How can I prevent or deal with these problems?		
	OMake a timeline showing the events in	in your experiment and the times you will measure or observe.		
	• Create a Water Monitoring Plan that clearly outlines the purpose of the plan and how the data should be used.			
	OWrite a clear procedure that other people can follow step by step.			
	OCreate an organized data table.			
	OComplete the experiment.			
	• Make adjustments to the written procedure if necessary and explain changes.			
	ODisplay the data in an organized chart or graph (if possible).			
	OComplete required follow up for the experiment (questions, lab report, evaluation, etc.).			
	OComplete the sections below on results and the next step.			
	OSign and date this form.			
Results:				

SCIENCE DOES NOT STOP: What is my next step?	What NEW questions need to be answered?
Name	Date