Water Quality Experimental Design Graphic Organizer

Question:			What is the Depen monitoring for?)	dent Variable (DV) ?(What are you
What is this about?				
	→	Variable (IV)	range. What are the healthy ranges	
What am I measuring or observing DV:			ill I measure?	Where will I measure?
Purpose:				
How will I know if the water is h	ealthy?			
How will I know if the water is u				
Independent Variable Part of the experiment changed by the experimenter	Dependent Variable Part of the experiment that changes because of the IV- is measured or observed to get data		Constant Parts of the experiment that remain the same to prevent affecting the experiment's outcomes	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?		
	• Make a timeline showing the ever	nts in your experiment and the times you will measure or observe.		
 Create a Water Monitoring Plan that clearly outlined. Write a clear procedure that other people can follow. Create an organized data table. Complete the experiment. Make adjustments to the written procedure if necessary to Display the data in an organized chart or graph (if the Complete required follow up for the experiment (quality of the experiment). 		lan that clearly outlines the purpose of the plan and how the data should be used.		
		ther people can follow step by step.		
		procedure if necessary and explain changes.		
		hart or graph (if possible).		
		he experiment (questions, lab report, evaluation, etc.).		
	OComplete the sections below on results and the next step.			
	O Sign and date this form.			
Results:				

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