Water Quality Experimental Design Graphic Organizer

Question:				What is the Dependent Variable (DV) ?(What are you monitoring for?)	
What is this about?					
***From the list above, circle of Comparison: You are comparing DV:	→ → → → → → → → → → pr highlight the g your water san	Independent Variable (IV mples to a standard "healthy Units? When we have a standard when we have a s	vill I measure?		Options: Set levels at Hold IV constant at Equal numbers of& Use same subject at different times: Divide equally between control and experimental groups Observe and measure Ignore 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		Constant Parts of the expetence the same to prevent experiment's our		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?			
	O Make a timeline showing the	he events 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.			
	O Write a clear procedure that other people can follow step by step.				
Create an organized data table.					
	 Complete the experiment. Make adjustments to the written procedure if necessary and explain changes. Display the data in an organized chart or graph (if possible). 				
	Complete required follow to	up for the experiment (questions, lab report, evaluation, etc.).			
	OComplete the sections belo	ow on results and the next step.			
	Sign and date this form.				
Results:					
SCIENCE DOES NOT STOP: What is my next step?		What NEW questions need to be answered?			
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Name		Date			