Experimental Design Graphic Organizer

Question:		Is this a compariso things?	on or the relationship between two
What is this about?		What is the Depen	dent Variable (DV)?
Comparison: Is this converged what is the first group or control what am I measuring or observing DV:	→	this group VS group? hat is the second group or experime ill I measure?	What formula will I use?
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?		
	O Make a timeline showing t	the events in your experiment and the times you will measure or observe.		
	• Write a clear procedure that	O Write a clear procedure that other people can follow step by step.		
	• Create an organized data ta	OCreate an organized data table.		
	OComplete the experiment.	Complete the experiment.		
	O Make adjustments to the w	• Make adjustments to the written procedure if necessary and explain changes.		
	O Display the data in an orga	O Display the data in an organized chart or graph (if possible).		
	O Complete required follow	Complete required follow up for the experiment (questions, lab report, evaluation, etc.).		
	O Complete the sections belo	Complete the sections below on results and the next step. Sign and date this form.		
	_			
Results: When (I.V.)				
Then (D.V.)				
SCIENCE DOES NOT STOP: What is my next step?		What NEW questions need to be answered?		
N		D.		
Name		Date		