Directions: Finish filling in the variable chart below.

Independent Variable	Dependent Variable				
Cause					
	After				
Input					
What I did					
Manipulated Variable	Responding Variable				

INDEPENDENT VARIABLE



DEPENDENT VARIABLE



CONTROLLED VARIABLE

What I KEEP THE SAME



Dependent variable -

The amount of money raised **depends** on the number of cars washed.

Independent (X) vs. Dependent (Y) Variables

- Independent variable (X) = the 'cause.' Variable that influences.
- **Dependent variable (Y)** = the 'effect.' Variable that is *influenced by* the cause; it is *dependent* on the cause.
- INCA: the INdependent variable is the CAuse.



The Car Wash Th

Independent variable

- the number of cars washed

Name		Date	
Read each question below.			
Determine the Independent and Dependent	Variables	s.	
Scenario 1: How much water flows through a faucet with differently sized openings? *Think of a water hose with a restrictor valve.	axis		
Independent:			
Because:			
Dependent:			
Because:			
* Choose your own values to graph. EX: 1,2,3, Cm openings and 1,2,3 Gallons of water.			axis
Scenario 2:			
Does heating a cup of water allow it to	axis		
dissolve more sugar?			
Indonondont.			
Independent: Because:			
Dependent:			
Because:			
Because:			
* Choose your own values to graph.			

Scenario 3:	axis					
Does fertilizer make a plant grow bigger?						
Independent:						
Because:						
·						
Dependent:						
Because:						
* Choose your own values to graph.						
	,			ax	ris	
					_	
Scenario 4:						
Does an electric motor turn faster if you	axis					
increase the voltage?						
_						
Independent:						
Because:						
Dependent:						
Because:						
* Choose your own values to graph.				az	vie	

Scenario 5: Who listens to music the most: teenagers or their parents?	axis					
Independents (2):						
Because:						
Dependent:						
Because:						
* Choose your own values to graph.				ax	: _	
					_	
Scenario 6:	axis					
Is a classroom noisier when the teacher leaves the room?						
Independents (2):						
Because:						
	-					
Dependent:					\pm	
Because:						
* Choose your own values to graph.						
Choose your own values to graph.				ax	is	
					_	