	Name:			
For each item below, specify the independent and dependent variables, as well as constants. 1. A study was done to find if different tire treads affect the braking distance of a car.				
2. The time it takes to ru	in a mile depends on the perso	on's running speed.		
I:	D:	C:		
3. The height of bean pla	ants depends on the amount of	f water they receive.		
I:	D:	C:		
4. The higher the temper	rature of the air in the oven, th	ne faster a cake will bake.		
I:	D:	C:		
5. Lemon trees receiving	g the most water produced the	most lemons.		
I:	D:	C:		
6. An investigation foun fertilized more.	d that more bushels of potatoo	es were produced when the soil was		
I:	D:	C:		
7. Students measured the found that the temperature	<u> </u>	different depths in Lake Skywalker and		
I:	D:	C:		
8. The amount of polluti different amounts of lead		sured for cars using gasoline containing		
I:	D:	C:		
vitamin A they receive.		entical diets except for the amount of mount. After 3 weeks on the diet, the rats' lecrease.		

I:_____ D:____ C:____

	Name:	Period:
	Date:	Perioa:
For each experiment below, specify the independent variable, dependents.	pendent variabl	e, control group and any
1. A student wanted to test how the mass of a paper airplane affected added before each test flight. As each paper clip was added, the plant fly.		• • •
Independent variable		
Dependent variable		
Control		
Constant		
2. Two groups of students were tested to compare their speed workin the same problems. One group used calculators and the other group c		
Independent variable		
Dependent variable		
Control		
Constant		
3. Students of different ages were given the same puzzle to assemble	. The puzzle asse	embly time was measured.
Independent variable		
Dependent variable		
Constant		
There can be several controlled variables. If an experiment is to be manipulated intentionally. All other variables must be control experiment. If more than one variable is altered (changed), the reinterpreted with any validity.	led throughout	all parts of the
4. An experiment was performed to determine how the amount of cocoffee. The same kind of coffee, the same percolator, the same amountime, and the same electrical sources were used.		
Independent variable		
Dependent variable		
Constants (3)		