Name:	Date:	Period:
For each experiment below, specify the i group and any constants.	ndependent variable, dep	pendent variable, control
1. A student wanted to test how the mass fly. Paper clips were added before each plane was tested to determine how far it Independent variable mass (# of paper determine) Dependent variable distance flips Control plane without clips Constant wind speed; height p	test flight. As each paper would fly. aper clips)	cted the distance it would clip was added, the
2. Two groups of students were tested to a group was given the same problems. One computed without calculators. Independent variable USE of Calculators Dependent variable Speed Worker Control Soup Without Constant Same problems	e group used calculators	king math problems. Each and the other group
3. Students of different ages were given the time was measured. Independent variable	different ages	ole. The puzzle assembly
There can be several controlled variables at a time can be manipulated intentionall all parts of the experiment. If more than or experiment cannot be interpreted with an	y. All other variables mus ne variable is altered (cho	t be controlled throughout
4. An experiment was performed to determate the taste of coffee. The same kind of and type of water, the same perking time. Independent variable	of coffee, the same perco , and the same electrical <u>Coffee grounds</u>	olator, the same amount I sources were used.
water, per	rking time, elec	tucal Source

Name: Anne Suckey	4L
For each item below, specify the independent and constants.	dependent variables, as well as
1. A study was done to find if different tire treads afferent in the treads of the control of th	ect the braking distance of a car. tupe of car speed travel dist.
2. The time it takes to run a mile depends on the per l: funning D: time to run C:	
3. The height of bean plants depends on the amount i: amount D: height of C: of water	soil type amount of sur
4. The higher the temperature of the air in the oven 1: <u>temp. of</u> D: <u>bake time</u> C:	, the faster a cake will bake. type of cake oven used
5. Lemon trees receiving the most water produced 1: Amount of D: Lemons C: Produced Water C:	the most lemons. <u>Amount of Sunlight</u>
6. An investigation found that more bushels of pote fertilized more. 1: Omnat of D: bushels of C: Potatoes	Rind of potato
7. Students measured the temperature of the water and found that the temperature varied. I: depth in D: temperature C: Lake	type of Soil er at different depths in Lake Skywalker Lake time of day take temp.
8. The amount of pollution produced by cars was a containing different amounts of lead. I: lead in gas D: Pollution C:	measured for cars using gasoline
9. Four groups of rats are first massed and then fed vitamin A they receive. Each group gets a different rats' masses are measured again to see if there have a second of the control of t	nt amount. After 3 weeks on the diet, the