Name <u>Key</u>	Date
<u>Directions</u> : Write a research question for each scenari Independent Variables (IV), Dependent Variables (DV), the following science experiments.	o. Next, determine the
 Research Question: Problem you are trying to solv Independent Variable (IV): Factor the experimenter Dependent Variable (DV): Factor the experimenter Constants: Factors that are kept the same. Control: Thing to compare against to see if Independent Variable (IV): Thing to compare against to see if Independent Variable (IV): Factor the experimenter 	r changes. r measures.
 A person counts the number of flowers she sees on different every week. 	types of plants. She records data
Q: Does the type of plant affect the num IV: Type of plant	iber of flowers it has?
DV: Number of flowers	E.01 8
Constants: Same girl counting Control: The counting	
2) You water some plants with 4 different types of water (salt water). After a two-week period, the height of the plants with the plants water).	no nje vrije seri. — nodukoveni su ovenjujene neromina — noven enemet – novement – novement
Q: Which type of water is best for plant of	Tromph ;
IV: Type of water	J
DV: Height of plant	
Constants: Amount of water, Amount of light, Tontrol: Regular water	emperature, Type of plant
 Inside a greenhouse, different types of trees are kept at 3 different 3 years. One tree is left outside in normal conditions. The once a week. 	
Q: Which humidity level is best for	tree growth?
IV: Humidity levels	U
DV: Height of tree	
Constants: Type of tree	
Conditions Normal Conditions	

4)	Green pea plants are given different amounts of water for a three-week period. First pea plant	
	receives 400 milliliters. Second pea plant receives 200 milliliters. Third pea plant receives 100	
	milliliters. Fourth pea plant does not receive any extra water; the plant only receives natural ways	
	of receiving water. The height of the pea plants is recorded daily.	

Q: Water How much water is best for pea plant growth?		
IV. Amount of Water		
DV: Height of plant		
Constants: Type of plant, Temperature of water, Control: No.		
Control: Natural May of receiving water		

5) One tank of goldfish is fed the normal amount, which is once a day; a second tank is fed twice a day; and a third tank is fed four times a day during a six-week study. The fishes' body fat is recorded daily.

Q: Does the amount of times a day a fish is fed affect its body fat?		
IV: Amount of food fed/How many times a day the fish is fed		
DV: Amount of body fat		
Constants: Temperature of transl Type of food, Type of fish,		
Control: Normal amount of food		