SCIENCE 8
ROCKRIDGE

NAME:		
BLOCK:	DATE:	

Identifying Variables Practice

Instructions: For the following experiments, *identify* and *describe* the (IV) independent variable, (DV) dependent variable, (CG) control group, and (Con) the constant.

1)	Different rose bushes are grown in a greenhouse for two months. The number of flowers on each bush is counted at the end of an experiment. IV
	DV # of Flowers
	con <u>environment</u> , <u>length</u> of time
2)	You water three sunflower plants with salt water. Each plant receives a different concentration of salt solutions. A fourth plant receives regular water. After a two-week period, the height is measured. IV
	DV height
	cg 4th plant (regular water)
3)	Three wax palm trees are kept at different humidity levels inside of a greenhouse for 12 weeks. One tree is left outside in normal conditions. Height of the tree is measured once a week. IV
	DV height of tree
	cg tree outside in normal conditions
	con type of tree, length of time
4)	One tank of goldfish is fed the normal amount of food once a day, a second tank is fed twice a day, and a third tank four times a day during a six week study. The fish's body fat is recorded daily. IV # of Reding times Per day
	DV fish body fat
	cg tank Red normal amount of food
	con type of fish, length of time, type of Food
5)	Strawberry plant clones are given different amounts of water for a 3-week period. First strawberry plant receives 400 millilitres (ml) a day. The second strawberry plant receives 200ml a day. The third strawberry plant receives 100ml a day. The fourth strawberry plant does not receive any extra water; this plant only receives natural ways of receiving water. The height of the strawberry plants is recorded daily.
	IV amount of water
	DV height of plant
	cg 4th plant watered normally
	con type of plant, type of water, length of time.