Name:	Date:
	Identifying Variables Worksheet
	<i>ons:</i> For the following experiments identify the three variables for each nent, the Independent Variable, the Dependent Variable and the Control e.
	erent rose bushes are grown in a greenhouse for two months. The aber of flowers on each bush is counted at the end of the experiment.
	a. Independent Variable
	b. Dependent Variable
	c. Control Variable
cone	water three sunflower plants with salt water. Each plant receives a differencentration of salt solutions. A fourth plant receives pure water. After a two-k period, the height is measured.
	a. Independent Variable
	b. Dependent Variable
ı	c. Control Variable
12 v	ee redwood trees are kept at different humidity levels inside a greenhouse for weeks. One tree is left outside in normal conditions. Height of the tree is sured once a week.
;	a. Independent Variable
1	o. Dependent Variable
ı	c. Control Variable
pea mill plan	plant clones are giving different amounts of water for a three-week period. plant receives 400 milliliters a day. The second pea plant receives 200 illiters a day. The third pea plant receives 100 milliliters a day. The fourth p t does not receive any extra water; the plant only receives natural ways of iving water. The height of pea plants is recorded daily.
	a. Independent Variable
. 1	Dependent Variable

c. Control Variable

-5)	One ta	ink of gold fish 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	weight is recorded daily.		
	a.	Independent Variable		
	*			
	b.	Danandant Vaniable		
	n,	Dependent Variable		
	C.	Control Variable		
6)	You d	ecide to clean the bathroom. You notice that the shower is covered in a		
-,		e green slime. You decide to try to get rid of this slime by adding lemonade		
	_			
		You spray half of the shower with lemonade juice and spray the other half		
		shower with water. After 3 days of spraying equal amounts 3 times a day,		
	there i	s no change in the appearance of the green slime on either side of the		
	showe	r.		
•	a.	Independent Variable		
		·		
	h	Dependent Variable		
	b.	Dependent variable		
	c.	Control Variable		
7)	You decide to clean your bedroom. You notice that your floor is covered with			
		clothes. You decide to try to get rid of the clothes by throwing the clothes into the		
	air. You throw clothes from a 1/3 of the room into the closet and a second 1/3 of			
		om straight up in the air. The last 1/3 of the room you leave the clothes on		
	the flo	or. After 30 minutes of "cleaning", the floor of the room is now visible.		
	a.	Independent Variable		
	b.	Dependent Variable		
		Control Variable		
	c.	Control variable		
8)	You w	ant to test which size of soccer (football) ball is easiest to juggle with your		
	feet. Y	ou test a size 3, size 4 and a size 5 ball. You count the seconds the ball		
		n the air for each of the trials. You allow yourself to use both of your feet,		
	-	and head to juggle the ball.		
	a.	Independent Variable		
	b.	Dependent Variable		
	c.	Control Variable		
	c.	Condition yarrabic		
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