	Name:	Date:	Period:		
	Graphing Skill #	2: Label	ing Axes		
	When labeling your axes, keep 3 things in mind: The independent (manipulated) variable is written along the horizontal axis (X axis) Dependent (responding) variable is written along the vertical axis (Y axis) Units on any variables should be included in parentheses () following the axis title				
Practice Problems For each experiment described below, write the independent and dependent variable on the appropriate axis. Be sure to include units when appropriate.					
	SAMPLE: A farmer wants to know if there is a relationship between the amount of fertilizer (in kilograms) she uses and how tall her corn grows (in centimeters).				
	Amount of Fertilizer (kg)				
	Graph 1: A ball is dropped from several distances above the floor (in meters) and the height it bounces is then measured (in centimeters).	jars of differen	indle was burned under glass t volumes (in mL) to see if the jar affects the length of time (in andle burns.		
	Graph 3: A fisherman used fishing lines of several different gauges (test pounds) and recorded the number of fish caught on each gauge.	was a relations	logists wanted to know if there ship between the density (in sk and how many meters down it from.		

Name:	Date:	Period:
Graph 5: Is there a relationship between the numbers of hours a student studies and the score s/he gets on the weekly quiz?	Graph 6: A scientist studied the relationship between amount of rain (in cm) and the numbers of zebra babies born each spring.	
Graph 7: Do longer pendulums (measured in cm) have higher frequencies (measured in Hertz)?	Graph 8: Does to student earns in a score from high	the grade point average that a college depend on his/her SAT school?
	<u> </u>	
Graph 9: How does the depth of a river (in	Graph 10: Sea o	otters were counted over a
meters) impact its speed (measured in meters per second)?	several years to s decreasing over t	see if their numbers were
Graph 11: Does the length of time an ice cube		the amount of nitrogen in the
is in water (in seconds) affect the temperature of the water (in degrees Celsius)?	soil (measured in kilograms) affect corn production (measured in kilograms)?	
or the water (in degrees constably.	production (meas	sured in knograms)?