Cell Respiration Lab Analysis of Results

Name:		Date:
Honor	Pledge	: :
1.		s activity you are investigating the rate of respiration rate in germinating and crickets. Write two hypotheses being tested in this lab.
2.	This la Why?	ab contains various controls. What conditions must remain constant?
3.		the results from the respiration rates for the germinating peas and ets at room temperature (20 °C).
	For th	is graph you will need to determine the following:
	a.	The independent variable: Use this to label the horizontal (x) axis.
	b.	The dependent variable:

4.	Describe and explain the relationship between the amount of $\ensuremath{\text{O}}_2$ consumed and time.
5.	What is the purpose of KOH in this experiment?
6.	Why did the vial have to be completely sealed around the stopper?
7.	If you used the same experimental design to compare the rates of respiration of a 25 g reptile and a 25 g mammal at 10° C, what results would you expect? Explain your reasoning.
8.	Explain why water moved into the respirometers' pipettes.