**Vocabulary:** **Effect of Environment on New Life Form**



**Vocabulary**

* Controlled experiment – an experiment in which only one *variable* is changed at a time.
	+ Generally, in a controlled experiment, all conditions are kept the same except for the variable being tested.
	+ In some cases, it is impossible to perform a perfectly controlled experiment. For example, a scientist cannot perform a controlled experiment on animal behavior in the wild because there are too many uncontrollable variables, such as weather and the presence of other animals.
* Hypothesis – a tentative explanation that can be tested by doing experiments.
	+ Hypotheses are often written as if/then statements. For example “If fertilizer is added to the soil, then the plants will grow more quickly.”
* Variable – a factor that can be changed in an experiment.