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|  | [Note: Best if viewed at Full Screen]  Experiment   Procedure for Survival in Enviroment:  1)Go to the creek you wish to testand collect 3 quarts of water from each of the desired sites you with to test. [(In our case, 1, 4, 6, 7, 8, 11.)](http://www.pleasanton.k12.ca.us/avh_science/creek/clickable.html)  2)Collect rainfall by setting several clean buckets out in rain to collect rainfall.  Tip: Put a smaller buckect in a trash can.  Using the knife or scissors, cut a hole in the bottom of the garbage bag.  Follow by putting a large plastic garbage bag with with the hole in the trash can and put the bottom of the bag into the bucket.  This makes what would be similar to a large funnel. This enfortuntely entirely relies on the weather.  If necessary, call your local water district to see if you could aquire some through them.  3)Gather tadpoles of the same same species as those in the creek.  They must be collected from an outside source such as a non-local pond/creek or ordered by mail.  It can be costly this way, but you can get them from some [catalogs](http://www.carolina.com/) year round.  4) Label buckets with appropriate label in terms of their respective water source using the marking pen.  5) Add the appropriate water samples to their respective buckets according to their labeling.  6) Test the pH levels of the water samples from the creek sites.  7) Document pH levels of all buckets.  8) Add 15 tadpoles to each bucket  9) Record number of surviving bullfrog tadpoles in each bucket twice daily, at equal intervals of 12 hours.  10) Anlyze results using a [chi-square test](http://docs.google.com/chisquare.html) to test for significance of data.  [Procedure for Optimum pH](http://docs.google.com/exp3.html) |

*This Web Site is Best viewed with 256 or more colors.*

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