

***Halobacterium* Investigation Plan**

We have just completed an experiment that allowed us to conclude that an increase in salinity allows for an increase in the population size of *Halobacterium*. Choose one of the other potential hypotheses that were generated during the class discussion about why more halo live in the north arm of the Great Salt Lake and plan an appropriate investigation.

Be sure to include:

- Hypothesis
- Materials
- Procedure that includes:
 - logical steps to perform the investigation
 - two controlled variables (kept the same)
 - one manipulated variable (changed)
 - one responding variable (dependent)
 - an experimental control condition (when appropriate)
 - how often measurements are taken and recorded

**** A diagram may be used to support your procedure****

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