

Workshop - Carbon, nutrients, and life

Part 2. (10 points, D2L exercise)

Be sure to carefully read p. 2-4 of

http://www.geo.arizona.edu/Antevs/nats104/wk1_2_3.rtf

and http://www.geo.arizona.edu/Antevs/nats104/wk1_lect.html Write the four elements of your experimental design in the spaces below, using a word-processor. Log onto D2L <http://d2l.arizona.edu/> and copy and paste them into the boxes in D2L Workshop 2.

Date Experiment Begins _____(1 pt)

Hypothesis. Explain how the factor you choose influences seedling growth. (Why does [CO₂, temperature, nutrients, light] influence seedling growth?) (2 pts)

Prediction. Predict the influence the amount or presence/absence the active factor will have on seedling growth. (2 pts)

Experiment Methods and Measurements. Include enough information about your materials and procedures that someone else could repeat your experiment. (3 pts)

Control. How was the active factor eliminated in the control part of the experiment? (2 pts)

Up to **10 points** will be taken off of your answer for poor spelling or poor grammar.