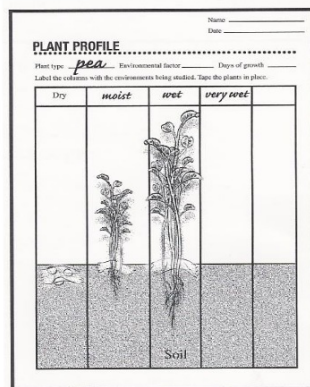


How do we know if an experiment is controlled?



An experiment is controlled when one variable in the experiment is changed, while all other variables are the same (controlled). The only variable in our experiment is the amount of water added to the soil.

How do we find the range of tolerance for a plant?



We find the range of tolerance by testing the plant in a controlled experiment, where we only change one variable for each experiment. We found that plants have a different range of tolerance for moisture level.