

# Conifer Branch Hardiness Experiment

## Experiment Objective:

Test the hardiness of conifer trees to determine which environments they will survive best in.

## Supplies:

- Real pine branches
- Mason jars or glass
- Labels

## Method:

Place 4 conifer branches in different types of liquid to see which help the branch live longest. Make a hypothesis on which branch you think will stay green after the end of the observation period. Fill four mason jars with one of the following:

- Tap water
- Vinegar
- Salt water
- No water

Place conifer branch of your choice in each of the jars. Monitor for 3-4 to see how each branch reacts to its new environment.



## Conclusion:

Was your hypothesis the branch that stayed green? Are there other branches that also stayed green? What do you think this says about the type of environment that conifer trees prefer to grow in? Is it wet? Dry? Salty soil? Alkaline soil (with the vinegar)? Record your findings and what you have tested to be the best environment for conifers.



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