CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY

Name(s)
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Project Number
J0926

Project Title
Battle of Ecosystems!

Abstract

Objectives/Goals
I wanted to see which ecosystem could out last, out live,and out grow all the other ecosystems.

Methods/Materials
I used, 6 2-litter,soil,3 pieces of cloth, 2tsp of lemon juice,arthropods,worms, water,aqua ferns, declorinization drop,sea snales,and gravel.First I cut the six 2-litter bottles in half. With the three that are open add water, gravel and then declorinization drops. Then I added sea snails to all the tanks. With the three bottles I didn't cut yet, I cut them horizontal. Then I fastened the cloth to all the spouts. I then added soil to the part with the cloth. Next, I added seeds to soil and added a little water. Next I added 2 tsp of lemon to both water and soil for acid rain tank, and worms and arthropods (rolly pollies) to the animal tank. Next, I added 4 sea snails to each water section of the ecosystems. Last, I sealed up the tanks and document daily, every 9 days photograph.

Results
I found that the animal tank did the best the control did the second best,and the acid rain did the worst, but it slowly recovered and in the end it got very, very close to tieing for second place.

Conclusions/Discussion
In my experiment I found that animals help their ecosystems, and because they help so much they make their ecosystem better than the other ecosystems. Second is the control because there were no disadvantages, but there were no advantages. And the very worst was acid rain because it damaged the water ecosystem so bad.

If I did this experiment again I would make a little hole in the acid rain tank, so that more acid rain could be added. Because normally humans would not stop pollution for such a long time period.

Summary Statement
I found out which ecosystem was the very best in all assets and the one which lasted the longest.

Help Received
Transportation to and from fish store (for aqua fernsand sea snales).