



# Problem 5-Lake water

Team Nitro

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A drop of water from a natural pond may contain bacteria, archaea, algae, fungi, protozoa, and other organisms. Perform observations to identify as many species of living organisms as possible. What are the chances that another drop contains a different selection of species?

# Theory

Pros:

+2

+3

+4

Overall:

Above average

Average

Below average

Cons:

- classification not properly done
- algae had a too large and diverse group
- some species that can be found are irrelevant
- much more species can be found theoretically
- temperature is irrelevant for keeping water in fridge (problem requires lake water)
- enumerated species that were found in the experimental part

# Experiment

## Pros:

- +1
- +2
- +3
- +4

## Cons:

- more depths to be studied
- did not variate different distances from pond margin
- it is irrelevant to keep water in fridge
- didn;t explain the influence of the

## Overall:

Above average

Average

Below average

# Conclusions

Pros:

+observed that in the algae drops  
there are more species

+2

+3

+4

Cons:

—Not valid ones because some  
parameters weren't taken into  
consideration

—the probability wasn't calculated

—3

—4

Overall:

Above average

Average

Below average

# Discussion topics

- 1
- 2
- 3
- 4
- 5



# DISCUSSION