

# 9. VENUS FLYTRAP

Team Croatia  
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# claryfing

What is a carnivorous plant? NE TO JE GENERAL

How is it classified that food is “digested”  
pitaj kako je to kvantativno odredio

Did you feed the plant with multiple insects or one???

Did you measure the size of the meal  
then how could you compare results for differently sized  
flies

# PROBLEM TEXT

Investigate **experimentally** how Venus flytrap (*Dionaea muscipula*) catches and digests its prey.

- done experimentally but no quantative proof

# THE SOLUTION - THEORY

Pros:

- presented work plan
- explained parts of trap
- showed the phases of triggering

Cons:

no linking expectation

- did not explain what does it mean that it is a carnivorous plant
- why is it carnivorous (what nutrients is it lacking)
- does it combine carnivory with photosynthetic ability?

electric signal not explained

# THE SOLUTION - EXPERIMENT

Pros:

- osmosis explanation
- variation of testings

Cons:

- no hypotheses
- no quantitative measurements
- said that it needs 5 triggers
  - BUT no quantitative proof of that
- one graph with unspecified axes or control
- are not based on experiment ?
- no repetitions
- parameters were not controlled-  
exp. pressure of the needle on  
flytrap

# POINTS FOR DISCUSSION

- Fly size
- origin of flytraps- grown from seeds or bought (conditions that flytrap grew)
- Needle pressure: Control?
- Closure time?
- Mass? How can you compare results when your size insect is not stable

# THE SOLUTION - RESULTS AND CONCLUSION

Cons:

Pros:  
graphical results

- most results have no quantitative proof
- said that in clarifying questions that he fed them with only one fly but the graph shows otherwise?
- no clear conclusions
- some of the results were not clear enough and could have been showed in a graphs-time of closing, time of reopening
- no quantitative measurements in some cases-number of preys

THANK YOU!

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2020

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