



# **Opposition: 11. Resistant plants**

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## 11. Resistant plants

Some plants are tolerant of freezes but others can hardly survive low temperatures. Perform experiments to investigate what plants can survive freezing temperatures.

Task partially/fully/poorly fulfilled.

# Theory



- Explained adaptation structures
- Appropriate theory, describing the phenomenon



- Didn't explain the mechanism of the cold acclimation
- Didn't give reason for hypothesis
- Didn't specify why they tested hypothesis at only -24 degrees
- Didn't talk about the metabolic and anabolic processes in a plant and the changes in them after or during the experiment

# Experiment



1. Gave specific way to determine whether the plant is dead
2. Had appropriate graphs



1. There is no specified relation between the exact group of plants and the occurrence of this process
2. No comparison between the temperature in the freezer and the optimal temperature for the plant; their normal conditions
3. Didn't investigate humidity
4. Didn't measure amount of water in the plants
5. Didn't investigate how light source affects phenomenon
6. Didn't explain how they controlled temperature
7. Didn't do the experiment for long enough

# Questions:

- If any plant has died, how would you prove it? (with parameters)

Thank you!

