



Weight

Topic 17

Reviewer: Kelly Hu



International Young Naturalists' Tournament



Task



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The weight of a living organism is not constant. Propose an interesting study concerning short term or long-term variations in the total body mass of a living organism.



Reporter

Strengths

Weaknesses

Shows understanding of **theory**

Didn't control make sure that she measures the heart of each rat at the same time

Includes **uncertainties** in measurements

The formulas were not explained

Linked experiment to **hypotheses**

Not clear - method or controlled variables mentioned

amount of data-6 rats, 10 trials

No **Graphs**

Second experiment was pure theory with **no experimental support**

Visual aid in russian

Opponent



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Strengths

Weaknesses

Spotted out the flaws of the presentation (**no graphs, russian labels, no variables**)

Didn't mention main error of exp. 1-no control variables (when was heart-rate measured-same time for all animals)

Stated their opinion and suggested improvements (**more trials**)

Didn't focus on report, talked about other possibilities (humans, animals)

Clarifying questions not related to the experiment

Was not leading the discussion



Suggestions

For Reporter:

- Make graphs with your data to clearly show your trends
- Consider other parameters that affect weight and mass

For Opponent:

- Focus more on actual experiments conducted by reporter, instead of asking about things they didn't do



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