Review - Problem No.5 Disinfectants

Evelina Gialama - Team Fryganiotis GR
I.Y.N.T.

Reporter - Pros & Cons

1. Excellent definition of the phenomenon.
2. Presence of visual aid & demonstrations. .
3. Great control of the variables.
4. Interesting results.
5. Clear graphs

1. The investigation of if the microorganisms are dangerous is irrelevant to the phenomenon.
2. Chaotic presentation
3. No hypotheses
4. Didn't explain the theoretical background behind the phenomenon
5. Didn't analyse the parameters
6. forgot parameters such as humidity, temperature, pH of the disinfectants,
7. only conducted the experiment once
8. Experiments conducted in a non-controlled environment.
9. Results not relevant to theory
10. Unclear method
11. No possible errors explained.
12. Jumped to unjustified conclusions.

Opponent - Pros & Cons

1. He mentioned the lack of hypotheses and several important parameters
2. Opponent highlighted the lack of theoretical background.
3. Relevant questions to the experiment.
4. He mentioned the lack of experimental procedures(how many times)
5. He noticed the lacks of visual aids

1. He didn't notice the missed parameters like humidity.
2. He insisted too much on concentration of alcohol and spent too much time on it.
3. He didn't insist on the reasons behind not including the possible errors in the experiments.

REPORTER VS OPPONENT- POINTS DISCUSSED

Reporter

1. Asked how different alcohol concentration affects the bacteria.
2. said that there are no graphs

Opponent

1. didn't answer
2. graphs exist

Our opinion ----> 1. Opponent is Right

We believe that the concentration really affects the final results.
There was a lack of graphs however, there were some in the presentation.
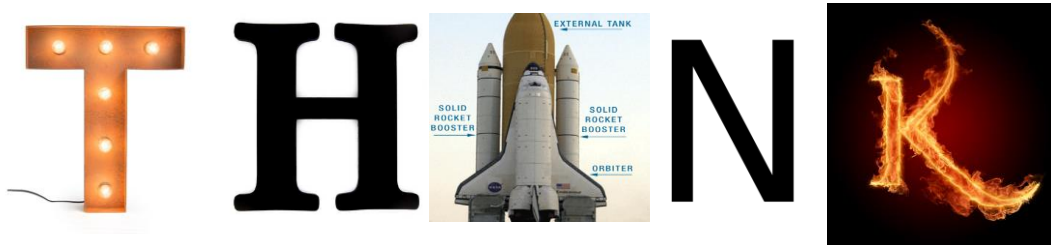
Conclusions

Reporter :

1. Understanding of types
2. Well presented
3. Incomplete presentation (hypotheses, parameters, possible errors, theory)
4. Uncontrolled environment

Opponent :

1. Noticed the lack of theory and hypothesis
2. Noticed the missing parameter of the sterilization of the colony
3. Didn't notice the lack of other relevant parameters such as humidity and temperature.
4. Good time management

Suggestions for further improvement

- We suggest you to repeat the experiment multiple times in order to be more valid
- We suggest you to use machine learning in order to spot easier the differences in the growth of the colonies

THANK

YOU **ALL**

FOR

YOUR ATTENTION