

24. Electromagnets

REVIEW

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School - I.Y.N.T Minsk 2019

Problem to be investigated

Produce an electromagnet and investigate some of its properties.

Pros' and Cons' Reporter

1. Explained her understanding of the statement
 2. Explained the properties and function of an electromagnet fully
 3. Graph included and explained well.
 4. Conducted a detailed experiment
1. Not fully explained the formula shown (ampere's law)
 2. Did not balance her time effectively (Theory-Experiment) (6min Theory- 2 min Experiment)
 3. Did not investigate all possible properties like the material of the core
 4. Did not have a conclusion nor a hypothesis
 5. Did not clearly relate the theoretical model to the experiment

Pros' and Cons' Opponent

1. Presented most of the pros and cons of the report
2. Asked to-the-point questions.
3. Evaluated the reporter's presentation.

1. In the clarifying questions he did not use his time properly.
2. Did not elaborate on his statements.
3. Was asking too few questions, leading to the reporter talking more than him.
4. Did not used his fill time seem to fully understand the presentation.
5. The reporter led the discussion instead of the opponent

Points of discussion

- Any other parameters affecting the properties of electromagnet which were not included in the report?
- There were no other important parameters
- Did you focus on how magnetic field works?
- She did not focus on how magnetic field work?
- What about the length of core?
- If you had a longer core would the electromagnet be the same because the only important factor was the loops
- How many batteries did you use?
- Only two because of the limited equipment and time

Conclusions

- The reporter had a pretty good theory and experiment, but did not explain some of the theory and did not fully use it.
- The reporter did not have any hypotheses or conclusion statements.
- The opponent had weak statements and questions.

Recommendations

- The reporter could have included a hypothesis or conclusion, so as to indicate the goal and assessed parameter of the experiment more clearly. not lead the discussion

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Thank You!