

CRITERIA SLIDE

CRITERIA FOR A GOOD EXPERIMENT

- Test only ONE variable at a time!
 - Everything else = controlled
- Conclusion should answer the question you asked
- The experiment should be able to be reproduced
- There need to be multiple tests
- Each test is given enough time to be measured properly
- Proper measurements are used!
- There should be a control group if possible
- The conclusion is based on measurable data
 - NOT: Biology is as much fun as a barrel of monkeys
- Ethical and Moral questions are not answered by science