



Introduction to Labs

Where are they?

How long are they?

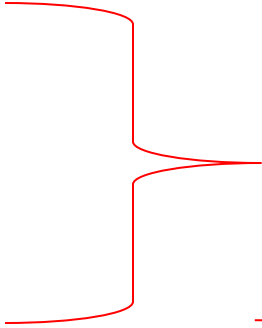
Does it matter which one I come to?

What is the attendance policy?


What is a lab report?

The Scientific Method

1. Make an observation
2. Have a question
3. Come up with a HYPOTHESIS
4. Test hypothesis to see if it is correct

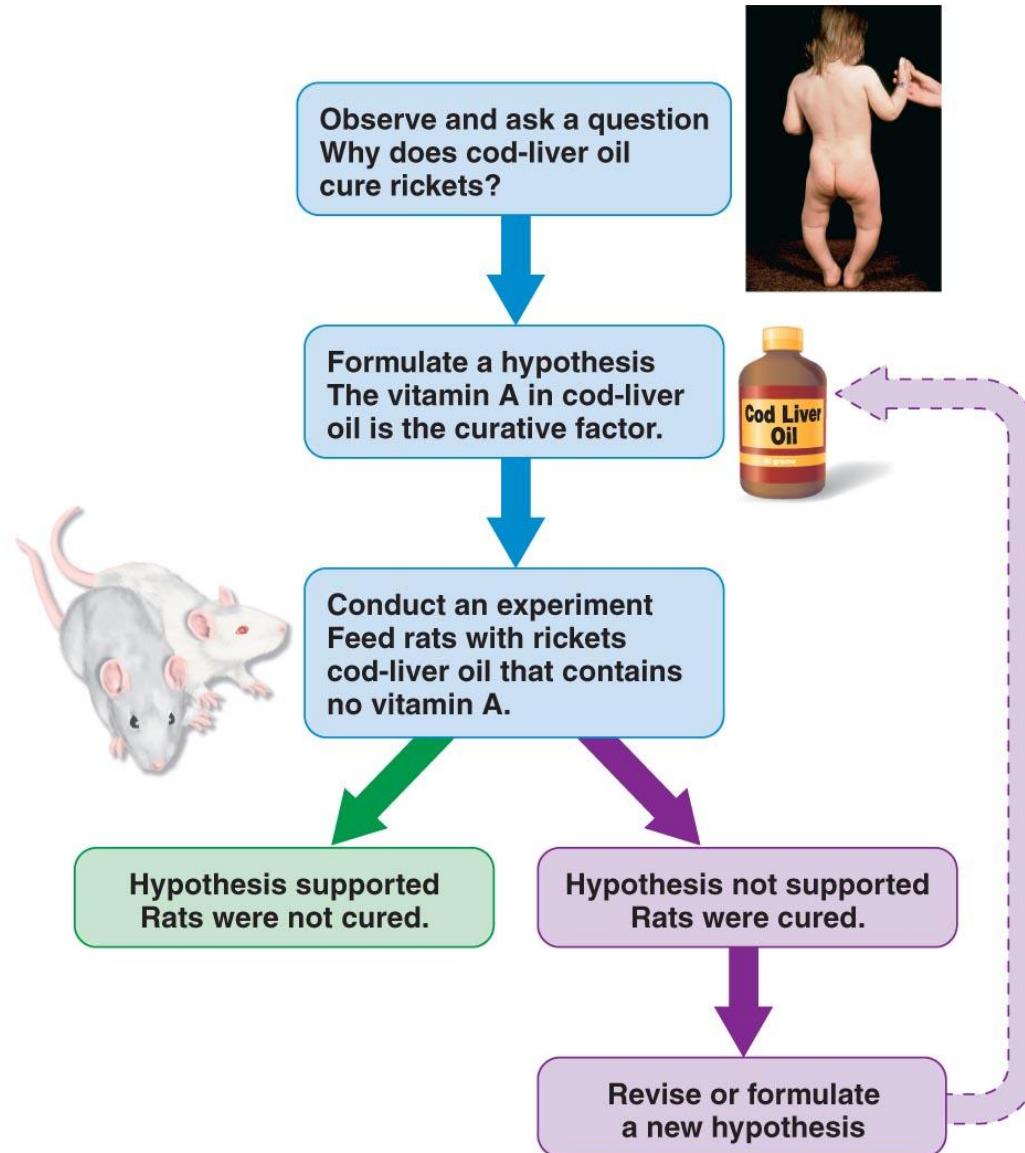


This info goes in your Introduction



This info goes in your Materials and Procedures, Results and Analysis, and Conclusions

Steps of the Scientific Method



Ex. My Observation and Question

- Students are more engaged when there are hands on activities during class time.
- Will students do better if the class has a lab that allows them to use class time for hands on learning?

Ex. My Hypothesis

- My hypothesis is that students who take a course that uses a lab to teach some of the information will score higher on exams than students who take a lecture only course.

Lab report

- **Title and Introduction (3 points)**
 - Include a title
 - State the purpose of lab
 - Explain why gathering this information is important and what the information can be used for

Lab report

- **Materials and Procedures (3 points)**
 - Step by step description of what you did

Lab report

- **Results and Analysis (3 points)**
 - Raw data must be collected during class
 - Clear and organized presentation of data in tables/graphs

Lab report

- **Conclusions (3 points)**

- Summarize results

- Comment/discuss results

- **END WITH CONCLUSION STATEMENT THAT IS CONNECTED TO YOUR HYPOTHESIS**