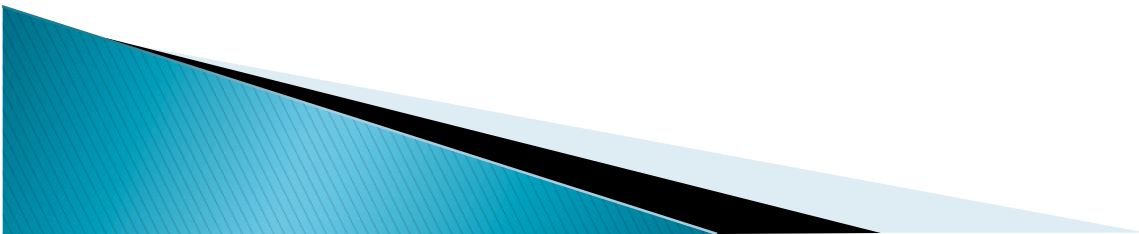


Do Now (5 min)

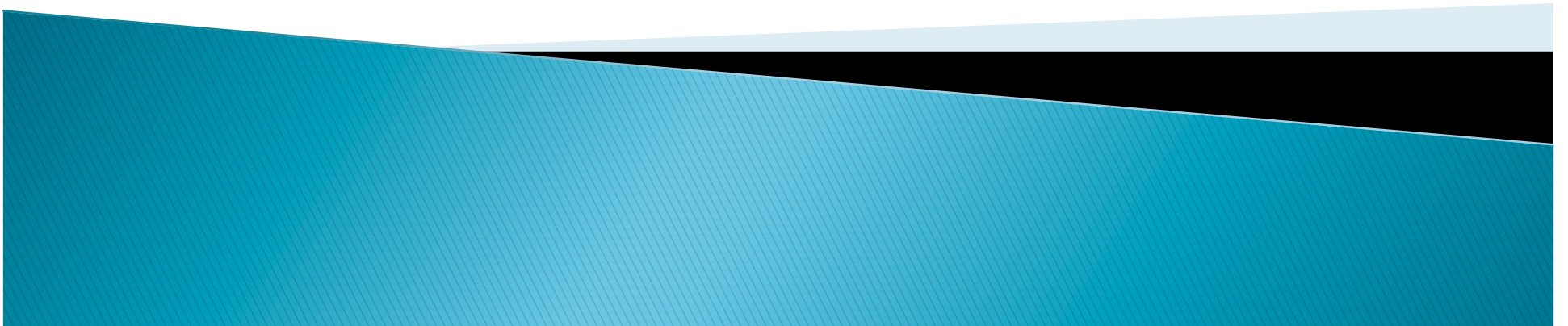
12-7-10

- ▶ What is a lab report?



How to Write a Lab Report

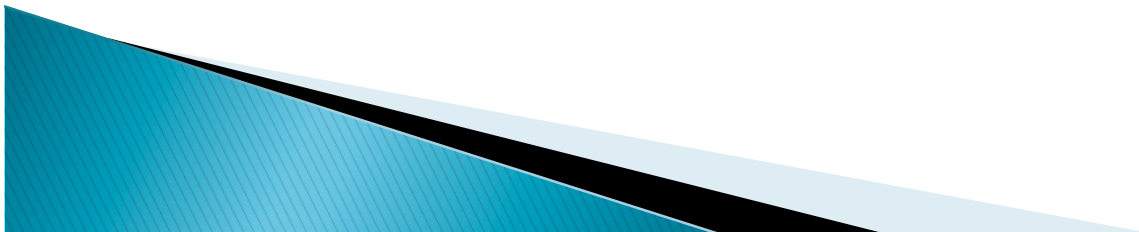
12-7-10



Two-Day Agenda

12/1/10

1. Do Now (5 min)
2. Objectives (3 min)
3. Why Write a Lab Report?
4. Lab Reports and the Scientific Method
5. Sections of a Lab Report Explained
6. Closing/ **HW** (5 min)
7. Exit Slip (5 min)
8. Participation Grades (5 min)

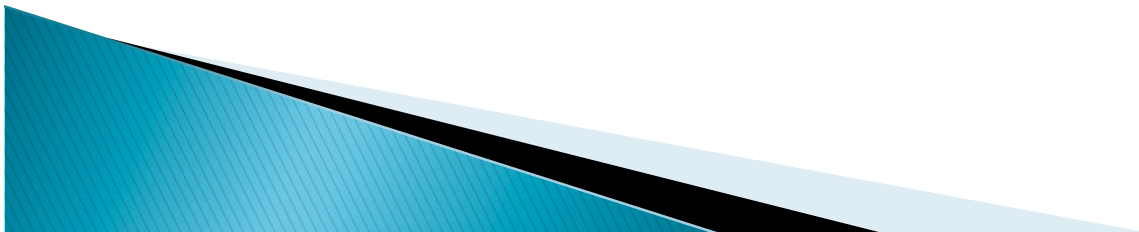


Objectives (3 min)

- ▶ Content (The objectives you'll master today)
- ▶ **SWBAT:**
 1. *explain why scientists write a lab report*
 2. *compare and contrast the steps of the scientific*
 3. *Explain the information required in each section of a Lab report*

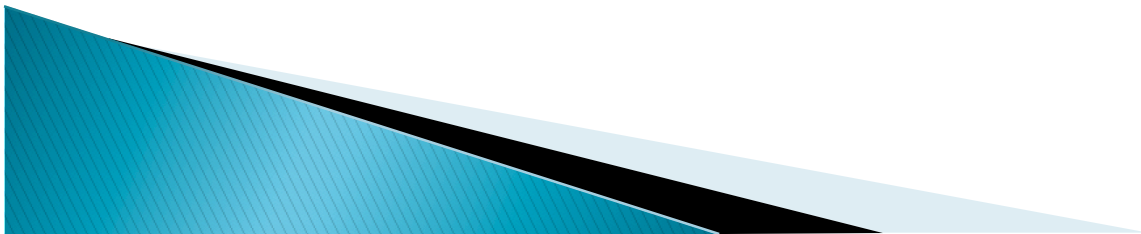
Language (How you will master the objectives)

- ▶ **By:**
 1. *by discussing the topic in class*
 2. *method by discussing in class*
 3. *by referencing their note sheet*



Why Write a Lab Report?

SWBAT *explain why scientists write a lab report by discussing the topic in class*



Lab Reports and the Scientific Method

SWBAT compare and contrast the steps of the scientific method by discussing in class

Scientific Method:

1. Question
2. Hypothesis
3. Experiment
4. Data Collection
5. Data Analysis

Lab Reports

1. Intro
2. Materials
3. Methods
4. Data
5. Results
6. Discussion
7. Conclusions
8. Figures/Graphs
9. References



Sections of a Lab Report: Explained

Objective: SWBAT: *Explain the information required in each section of a Lab report by referencing their note sheet*

DO NOT WRITE THESE DOWN!

Introduction: is one paragraph that explains the objectives or purpose of the lab, contain background information, summarize how the experiment was performed, findings/conclusions

Materials: List everything needed to complete your experiment.


Methods: Be sufficiently detailed that anyone could read this section and duplicate your experiment.

Data: Numerical data obtained from your procedure. (Usually presented as a table. NO ANALYSIS)

Results: Describe in words what the data means

Discussion: This is where you talk about any mistakes you may have made and how your conclusion relate to the larger world.

Conclusions: Most of the time the conclusion is a single paragraph that sums up what happened in the experiment, whether your hypothesis was accepted or rejected, and what this means.

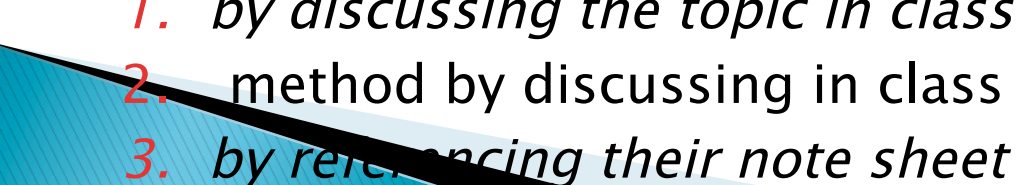


Objectives (3 min)

Did you master the following objectives?

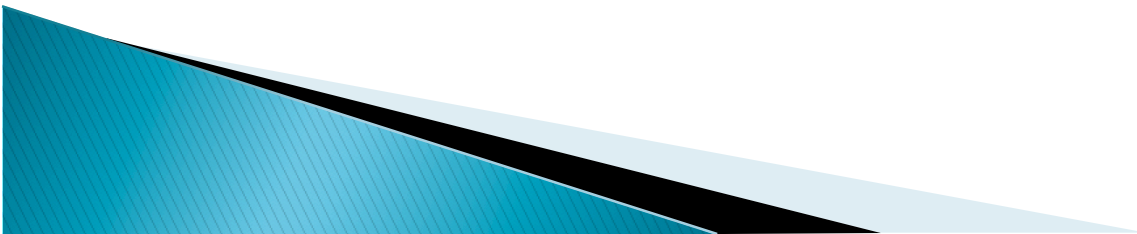
- ▶ Content (The objectives you'll master today)
- ▶ SWBAT:
 1. *explain why scientists write a lab report*
 2. *compare and contrast the steps of the scientific*
 3. *Explain the information required in each section of a Lab report*

Language (How you will master the objectives)

- ▶ By:
 1. *by discussing the topic in class*
 2. *method by discussing in class*
 3. *by referencing their note sheet*
- 

Exit Slip (5 min)

- ▶ None today!



Participation Grades (5 min)

- ▶ Each day YOU will decide the grade you deserve...Though, I reserve the right to change these.
- ▶ Your 5-point daily participation grade is based on CLA's core-values:
 - ▶ CLA Students are S.M.A.R.T.
 - ▶ S = Self-Controlled
 - ▶ M = Motivated
 - ▶ A = Accountable
 - ▶ R = Respectful
 - ▶ T = Timely
 - ▶ One point for each core-value
 - ▶ (5 points possible each day)
- ▶ What do you deserve today?

