

STEP 1: Finding patterns in my data

Name _____

Date _____

We have now collected our data and are ready to analyze! **Data analysis** is the process of finding patterns in your data, **making claims** about those patterns, and backing up your claims with **evidence**. Try to come up with at least **two** patterns from your investigation. The table on this sheet will help you organize your thoughts!

The “Should we” question we are trying to answer is:

The investigation question I am trying to answer is:

In the box below, draw a **graph** or **chart** using data points that you collected:

Data analysis table

Pattern 1	
One pattern I see in my data is:	
My evidence for this pattern is:	
Claim: (Why I think this pattern is happening)	

Pattern 2	
One pattern I see in my data is:	
My evidence for this pattern is:	
Claim: (Why I think this pattern is happening)	

STEP 2: Lab meeting to find patterns in our data

Scientists_____

Date_____

Now that you have come up with a few claims, it's time to talk to each other! Scientists often share their results in **lab meetings** where they give each other feedback on their work. In this activity, you will get together with your fellow scientists and share your results in a lab meeting.

Directions:

1. Decide who is going to share first (you will each have a turn)
2. First person: share at least one claim and your evidence for the claim.
3. Other scientists: ask questions using the table tent question starters!
4. Repeat steps 2-3 until everyone has shared!
5. Fill out the table below and be ready to share with the whole class!

The question we were trying to answer was:

Similarities we noticed across groups:	Differences we noticed across groups:	Relationships we are noticing across groups:

STEP 3: Revising our ideas and models

Now that you have shared your thinking with other scientists, the next step is to revise your ideas based on the new information you have learned from your fellow scientists. This is a chance to revise or add to your claims or models as you notice new relationships or variables.

After talking to my fellow scientists, I have new ideas about our investigation question _____

Relationships:

New Ideas: