



# WEEK 6:

## Analyze Data and Draw Conclusions



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**Goal:** Make sense of your results and evaluate your hypothesis

### Tasks:

- Review all data and organize it into graphs, tables, or charts to identify patterns.
- Using the *Data Summary & Trends Worksheet*, write a summary of what the data shows, noting any trends or outliers.
- Compare your results to your hypothesis and state whether it was supported or not.
- Reflect on possible reasons for your findings and any errors or limitations in your experiment.
- Draft a conclusion that explains what you learned and how it relates to your initial question.

### Additional Activities:

- Write a paragraph discussing how you could improve the experiment or expand on it in the future.
- Identify real-world applications of your findings

**Tip:** Be objective and honest; unexpected results can still lead to valuable insights.

# Data Summary & Trends Worksheet

**Project Title:** \_\_\_\_\_

## 1. Key Data Points

Write down the most important data points or measurements from your experiment.

Measurement/Result	Notes/Observations

## 2. Identify Patterns or Trends

Answer these questions to describe what you notice in your data:

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Are there any patterns or trends in your data?

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Did any results surprise you?

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Were there any outliers (data points that didn't fit the pattern)?

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### 3. Visualize Your Data

Use the space below to draw or paste a graph, chart, or diagram that represents your findings.

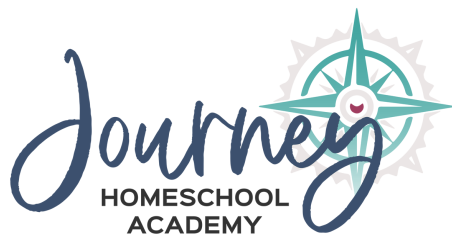
Title of Graph/Chart: \_\_\_\_\_

# Rigorous Science from a Christian Worldview

At Journey Homeschool Academy, we're passionate about equipping families to homeschool with confidence while fostering a lifelong love of learning. We offer a wide range of engaging, video-based science courses designed for students from elementary through high school. Each course is crafted to make science approachable, exciting, and memorable for students – whether they're discovering the wonders of astronomy or diving into the complexities of biology.

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- **Engaging Video Lessons:** Each course features high-quality video instruction led by experienced educators who are passionate about their subjects.
- **Hands-On Activities:** Lessons include hands-on experiments and activities that bring science concepts to life, making abstract ideas tangible and fun.
- **Comprehensive Resources:** From easy-to-follow guides to supplementary reading lists, we provide everything you need to guide your child through their learning journey with ease.
- **Flexible and Family-Friendly:** Our courses are designed to fit seamlessly into your homeschooling schedule, allowing you to work at your child's pace and adjust for your family's unique needs.
- **Faith-Based Learning:** We integrate a biblical perspective into our lessons, helping students see the wonder of God's creation in every aspect of science.



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