

# The Scientific Method

ASC1.01a

---



# Scientific Method

---

- Problem/Question
- Research
- Hypothesis
- Experiment
- Collect/Analyze Results
- Conclusion
- Communicate Results





# Problem/ Question

---

Develop a question or problem that can be solved through experimentation.







# Research

Study your topic of interest

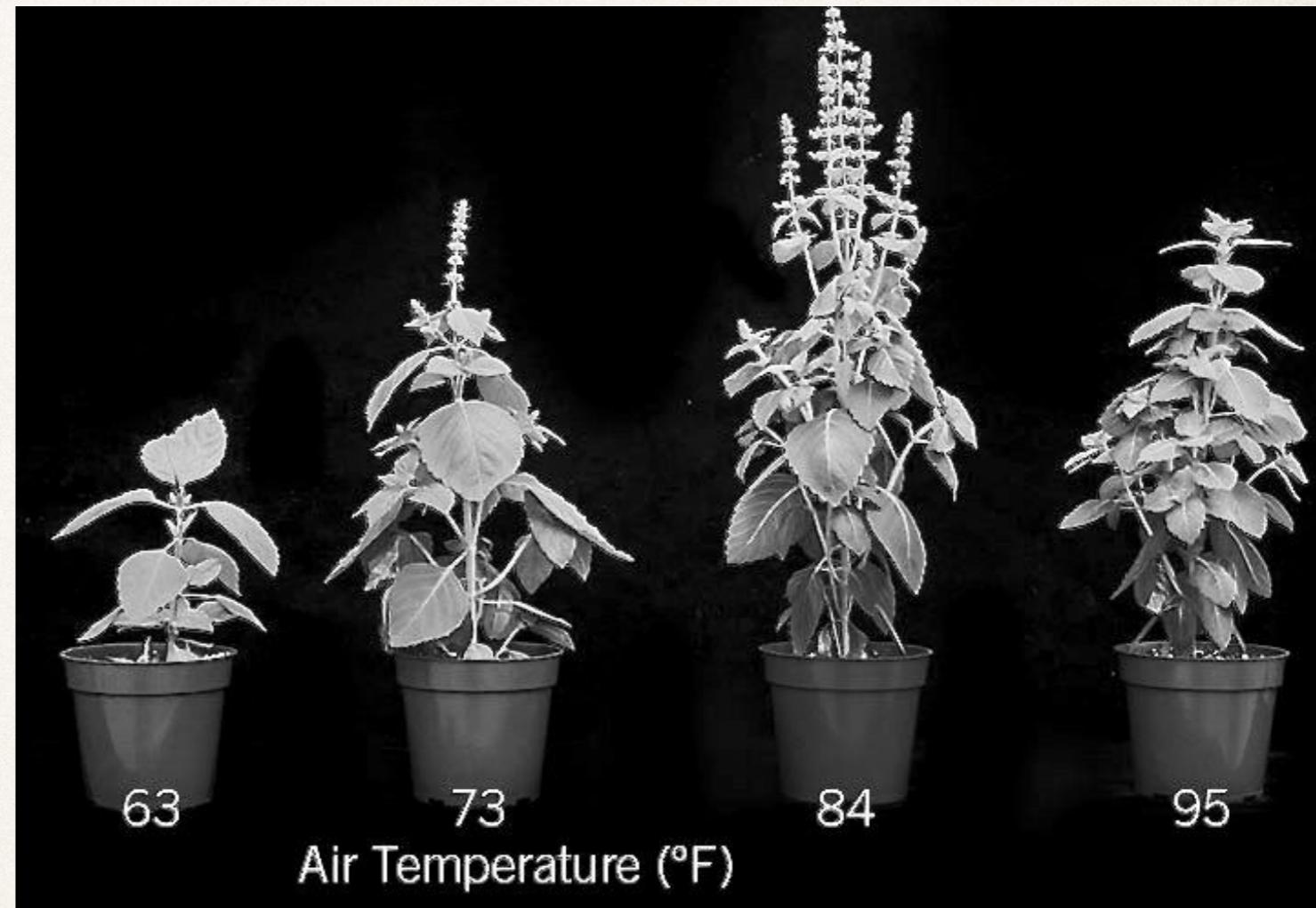
---



# Formulate Hypothesis

---

- Predict possible answer
- If.... Then...
- If **soil temperature** rises, then **plant growth will increase.**







# Experiment

Develop and follow procedure. Include materials list. Outcome must be measurable

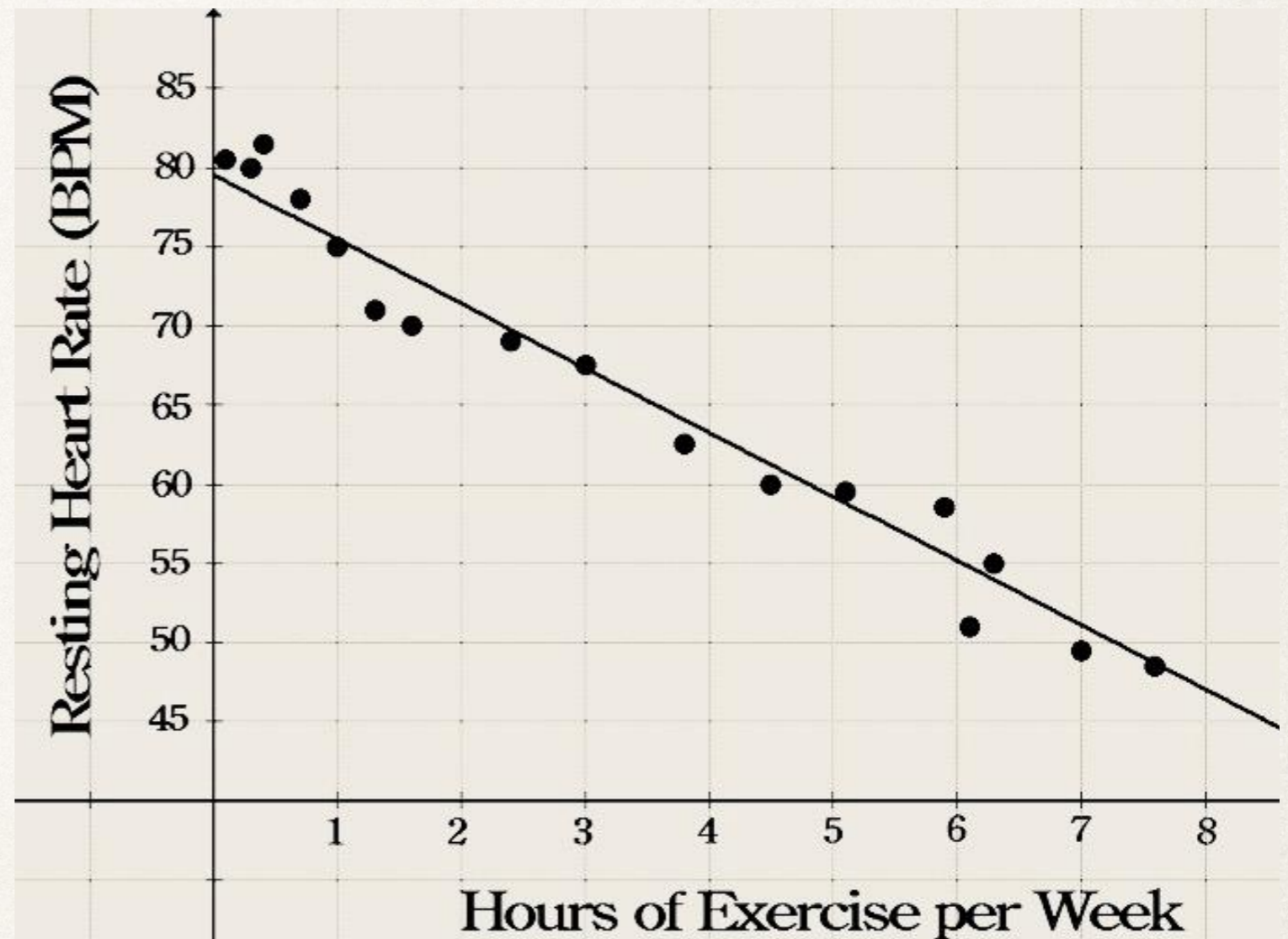
---



# Collect and Analyze Results

---

- Modify procedure
- Confirm results (retest)
- tables, graphs and photos





# Conclusion

---

- Statement accepts or rejects hypothesis
- Summarize procedure & findings
- Make recommendation for further study
- Improve procedure if needed





“How many steps are there in the Scientific Method?”

*Can you name them?*