

## **Understanding Experimental Design**

### **Part 1: What Makes a Good Experiment?**

Explore the principles of good experimental design with an example. Do cone spines deter crossbills from eating pine seeds?

- Why Do Experiments?
- Well-Designed Experiments
- Crossbills and Pine Cone Spines
- Check Your Understanding
- Summary of Part 1

### **Part 2: Save the Simpoids!**

Design your own experiment to explore why Idyllic's beloved Simpoids are getting sick.

- Sleuth the Simploid Sickness
- Observe
- Hypothesis
- Design and Predict
- Test
- Summarize Results
- Conclusion
- Toward a Deeper Understanding
- Summary of Part 2

### **Part 3: Quiz Questions**

Quiz Questions

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