

Make Observations

Practice

- 8: Obtaining, evaluating, and communicating information

Develop General Theories

Practice

- 2: Developing and using models
- 6: Constructing explanations
- 7: Engaging in argument from evidence
- 8: Obtaining, evaluating, and communicating information

Gather Data to Test Predictions

Practice

- 3: Planning and carrying out investigations
- 4: Analyzing and interpreting data
- 5: Using mathematics and computational thinking

Think of Interesting Questions

Practice

- 1: Asking questions
- 8: Obtaining, evaluating, and communicating information

Formulate Hypotheses

Practice

- 3: Planning and carrying out investigations

Develop Testable Predictions

Practice

- 3: Planning and carrying out investigations

Refine, Alter, Expand, or Reject Hypotheses

Practice

- 3: Planning and carrying out investigations

