Vocabulary: Pattern Finder

📖 Vocabulary

- <u>Experiment</u> – a test of a hypothesis.

- <u>Hypothesis</u> – a tentative explanation that can be tested by doing experiments.
    - "Metals expand when heated," "Caterpillars turn into butterflies," and "Clouds are made of water" are all examples of hypotheses.

- <u>Observe</u> – to gather information using one's senses.

- <u>Prediction</u> – a description of expected results made before running an experiment.
    - Predictions are based on hypotheses.
    - Predictions are more specific than hypotheses because they describe a particular experiment.
    - For example, if you have the hypothesis, "Metals expand when heated," you might predict, "Heating a copper rod from 30°C to 35°C will cause it to get longer."
    - Scientists test a hypothesis by seeing if the predictions based on the hypothesis come true.

- <u>Theory</u> – a hypothesis that has been supported by many experiments.