

Process Skill	Description
Observe	Use the senses to identify or learn about an object or an event
Compare	Look at objects, events, data, or systems to see how they are alike or different
Classify	Group objects, information, or events into categories based on their properties using a system or method
Use Numbers	Order, count, estimate, or calculate
Measure	Make quantitative observations using standard or nonstandard units
Communicate	Share information or ideas orally, in writing, or by using graphic representation
Collect, record, display or interpret data	Gather and share information about observations and measurements
Predict	State the outcome of a future event, using past observations and experiences
Infer	Develop an idea based on past observations or experiences
Define based on observations	Give specific, useful information based on one's own observations and experiences
Hypothesize	Propose an explanation that can be tested
Make and use Models	Develop a physical or mental model of an object or event
Use variables	Identify and control factors that may affect the outcome of an experiment
Experiment	Design a safe procedure to test a hypothesis

Problem Statement:

When I change _____ what happens to _____?
Independent variable *dependent variable*

Hypothesis:

I think _____ because _____?

<p>Did I:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Measure or Observe? <input type="checkbox"/> Write down/record data? <input type="checkbox"/> Repeat the experiment 3 times?

K-5 Safety in Science

Student Laboratory Contract

I know that being safe is important, and I agree to follow these rules:

- I will follow all written precautions and verbal instructions.
- I will do the experimental procedure as directed.
- I will not taste, eat, smell, or touch substances unless specifically told to do so by my instructor.
- I will handle all equipment and materials carefully and use as directed.
- I will wear safety goggles to protect my eyes when appropriate or as directed by the teacher.
- I will notify the teacher if any hazard is present.
- I will clean up my work area after each experiment.
- I will inform my teacher of any health problems or difficulties I might encounter while doing a given experiment.
- I will make sure I do not remove any substances or equipment from the lab or classroom unless my teacher tells me to do so.
- I will not eat or drink anything in the laboratory or classroom without my teacher's permission.
- I will report any accident or mishap to my teacher immediately no matter how trivial it might appear.
- I will not pick up broken glass with bare hands.
- I will make sure an adult is present when I am working in the lab or classroom.
- I will wear gloves when handling animals.
- I will not run or participate in horseplay in the lab or classroom.