



**Arizona State
University**

Evaluation of Laboratory Science Courses

Student name: _____ Student ASU ID: _____

Name of course: _____
(one course per form)

Duration of study: _____ Textbook title and
(full year, one semester, copyright date: _____
trimester)

Approximately how many hours per week do students spend conducting hands-on laboratory experiments in this course?

Please provide a list of all the laboratory experiments or projects you do that require manipulation of equipment.

List all lab equipment used, including but not limited to household items (for example, microscope, beakers, ramps, dissection equipment, etc.).

Using standard scientific method outlined by the following questions, describe one typical laboratory assignment associated with this course.

State the problem or concept investigated during this laboratory assignment. (For example: Do oranges stored in a refrigerator have more vitamin C than oranges picked fresh from a tree?) Formulate a hypothesis for this problem using "if/then" statements. (If oranges picked fresh from a tree have more vitamin C, then juice from these oranges will take longer to turn a starch solution blue.)

Describe the experiment you performed to prove or disprove your hypothesis. List all essential materials and describe each step you performed in the experiment.

Describe the results of your experiment or study. Use graphs and charts where appropriate.

Explain your data or results. Give an analysis of your experiment.

Write a conclusion for your study. Was your hypothesis supported or refuted?