



How Does Engineering Compare with Laboratory Sciences?

Scientific Inquiry	Engineering Design
Formulate a question .	Define a problem .
Research how others have answered it.	Research how others have solved it.
Brainstorm hypotheses and choose one.	Brainstorm solutions and select one.
Conduct an experiment.	Create and test a prototype.
Modify hypothesis based on results.	Redesign solution based on tests.
Draw conclusion, write paper.	Finalize design, make drawings.
Submit paper for peer review.	Present optimal solution to client.
Ask new question	Define new problem.