



# Construct a Prototype

## QUIZ

### Question 1

A conceptual model allows the designer of a system to directly code the function and behavior of the system in a programming language and program designed to simulate the system.

- a. True
- b. False

### Question 2

A conceptual model allows individuals to understand:

- a. The input/output transfer function of each major component in the system.
- b. The flow of information in the system.
- c. The way in which the system interacts with the outside world.
- d. a and b
- e. b and c

### Question 3

Physical models support:

- a. The development of hypotheses regarding the behavior of the system being modeled.
- b. The development of mathematical models for the system.
- c. Experiments that provide observed data to evaluate the goodness of a hypothesis.
- d. None of the above.

### Question 4

Mathematical models:

- a. Can be used to generate simulation data for a system.
- b. Should always be as complex as possible in order to cover all possible behaviors of a system.
- c. Allow physical models of the system to be built.
- d. Can solve all of the world's problems.

### Question 5

Models should be developed after a prototype is constructed, tested, and evaluated.

- a. True
- b. False