Quiz

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**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. FalseBottom of Form