

Technological Design Process Exit Quiz – Student Edition

Multiple Choice – Select the best answer

1. When engineers develop a model, which step in the engineering process is taking place?
 - a) Identifying a problem or need
 - b) Designing a solution or product
 - c) Implementing the design
 - d) Evaluating the solution or product

2. In which step of the design process would the engineer adjust the design?
 - a) Identifying a problem or need
 - b) Designing a solution or product
 - c) Refining the model
 - d) Evaluate the solution or product

3. Which sentence describes a way that scientific investigations and engineering designs are similar?
 - a) Both start with a hypothesis
 - b) Both produce a product to make life easier
 - c) Both involve analyzing the results of tests
 - d) Both involve using only expensive materials

4. Anything that is made to meet a need or desire is a _____.
 - a) design
 - b) technology
 - c) process
 - d) equipment

5. An engineer has designed and built a prototype to improve the brake system of a car. What is the next step that the engineer should take in the process?
 - a) Test the working prototype.
 - b) Make sketches of the prototype.
 - c) Evaluate the design for revision.
 - d) Collect and analyze the test results.