Design Process Quiz Answer Key

1. What type of problems can a Design Process help solve?

Select one:

1. Only large-scale problems
2. Only small-scale problems
3. Engineering challenge problems
4. All types and sizes of problems
5. Which of the following is the first step of the Design Process?

Select one:

1. Define the Problem
2. Define the Criteria
3. Develop Ideas
4. Develop Solutions
5. What is the definition of ”criteria” as used in the Design Process?

Select one:

1. Redesigning
2. Prototype
3. Brainstorming
4. Specific solution requirements
5. Which could be an example of a ”constraint” for a specific problem?

Select one:

1. Brainstorming
2. Being limited to using 1 foot of tape
3. Redesigning
4. Analyzing Data
5. What are three ways to Develop Ideas in the Design Process?

Select one:

1. Design, Evaluate, Redesign
2. Present, Produce, Evaluate
3. Brainstorm, Research, Collaborate
4. Test, Evaluate, Present
5. In which Design Process step might you draw a sketch with labels and measurements?

Select one:

1. Define the Problem
2. Define the Criteria
3. Develop Solutions
4. Test and Evaluate
5. What question(s) should you ask when Testing & Evaluating?

Select one:

1. What is working well?
2. What is not working well?
3. What else can I try?
4. All of the above
5. If not satisfied with a solution after Testing & Evaluating, which step in the Design Process should you return to?

Select one:

1. Define the Problem
2. Define the Criteria
3. Develop Ideas
4. Present & Produce
5. How many times should you cycle through Steps 3-5 of the Design Process?

Select one:

1. As many as needed
2. Once
3. Three times or less
4. As few as possible
5. Which of the following is the last step of the Design Process?

Select one:

1. Define the Problem
2. Define the Criteria
3. Develop Ideas
4. Present & Produce