



LMS Activities (Chapter 1 – Section 1)

Activity 1.1.1

Choose the correct answer.

1.What is the first step in the design process?

- A. Design a solution
- B. build
- C. Test ideas
- D. . Identify the challenge

2.Why is the design process iterative?

- A. . To improve the design
- B. . Because no single process works for every design
- C. . To keep it simple
- D. To allow for management input

3.In what step do you analyse the social and environmental effects of your design?

- A. The evaluate step
- B. . The research and brainstorming step
- C. . While you are building
- D. When you identify the challenge

4.Are designers ever concerned with the cost?

- 1. No, the cost is only for managers to deal with.
- 2. Only when the design does not work
- 3. . Only if a design is easy to build
- 4. Yes, the cost is one of the most important constraints
- 5.

5.What is the purpose of research?

- A. .To identify possible and alternative solutions
- B. .To determine the problem you are trying to solve
- C. To learn if your design is hard or easy to build
- D. To test your ideas

6.What is the purpose of a prototype?

- A. . To identify possible and alternative solutions
- B. . To determine the problem, you are trying to solve
- C. . To learn if your design is hard or easy to build
- D. . To test your ideas

7.When do drawings become more detailed?

- A. . To learn if a design is hard or easy to build
- B. . When you have settled on a design
- C. . Once you have determined your construction methods
- D. . Once your prototype is built

8.In order to have a plan,

8.what must a designer do?

- A. . Be able to write a few short statements that explains what the designer wants to do
- B. . prepare drawings and engineering plans
- C. . Research and brainstorm possible solutions
- D. . All of the above