

Name: _____

Date: _____



GENIUSCHALLENGE

ENGINEERING DESIGN PROCESS

1. How can criteria be used to help define the problem?

2. How can constraints be used to help define the problem?

3. How might an engineer go about developing possible solutions to a problem?

4. Why is it important for an engineer to build a model or prototype of his or her design solution?

5. How might an engineer go about optimizing a design solution?

6. How might criteria and constraints be used to evaluate competing design ideas?

7. What is an example of a problem that a chemical engineer solves?

8. What is an example of a problem that a mechanical engineer solves?

9. What is an example of a problem that a civil engineer solves?

10. What is an example of a problem that an aerospace engineer solves?
