NAME_ _____

ENGINEERING DESIGN

Directions: Using the attached PowerPoint, complete the notes below.

Slides 11-15

DEFINING A PROBLEMS

- Recall: A problem is a difficulty, need or situation that needs to be dealt with and overcome.
- The _____ of engineering is to design and build _____ to problems. You must truly understand what the _____ is so that you can _____ the problem.
- What are three questions you should ask when defining a problem?
  1. _____
  2. _____
  3. _____
- Once you have answered these questions, you should write the _____ as a _____. The format for writing a problem _____ uses your _____ to the questions above.
- What is the format to a problem statement?

  _____
- To best understand the _____, you should _____ the problem. When performing research, look for:
  1. _____
  2. _____
  3. _____
- After _____, the problem, ask yourself questions about the problem:
  1. _____
  2. _____
  3. _____
- Once you feel you deeply _____ the problem and the problem can be _____ (and is _____ solving), you should begin _____ solutions to the problem.