This sheet will help you define your problem and the requirements for your solution. You should not answer these with a specific solution in mind, this is intended to help you narrow down the characteristics of possible solutions.

What problem do you intend to solve?
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

What are your expectations and limitations for your project?
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

What are your cost restrictions?
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

What types of safety precautions must be taken?
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

How effective must your solution be? (i.e. does it need to solve the problem 100% or will it simply address certain aspects of the problem?)
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

How efficient must your solution be? (i.e. how much power will be used? How quickly will this work?)
______________________________________________________________________________
______________________________________________________________________________
What kind of laws are in place concerning solutions to the problem?

______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

Are there any other limitations or expectations do you have for your solution?

______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

What other solutions have already been tried to solve the problem you intend to address? (You should conduct your research before answering this question. Be sure to cite your sources.)

______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

______________________________________________________________________________