

**WASTEWATER TREATMENT DESIGN CHALLENGE**  
Design Proposal Form

Name \_\_\_\_\_ Date \_\_\_\_\_

Sketch your proposed design for a wastewater treatment system that meets the specified criteria and constraints:

Will you need any supplies that are not on the approved list? If so, what will you need, and how do you plan to get them?

What will your system cost?

What kinds of treatment will your system use?

***Physical treatment:***

- screening or filtration
- settling
- aeration
- other (describe)

***Chemical treatment:***

What chemical do you plan to use?

What do you hope to accomplish with this chemical?

***Biological treatment:***

What type of organisms do you plan to use?

What role will these organisms play in treating the wastewater?

If you plan to use microorganisms, what will be the source?