

## Identifying Design Constraints

Please identify any limitations or requirements (constraints) that any of the following factors might put on your solution.

| What is the problem that is being considered? (Answer in one sentence.)                   |             |
|---|-------------|
| FACTORS   | CONSTRAINTS |
| <b>WHAT</b> will the <u>product be used to do</u> ?                                       |             |
| <b>WHERE</b> will the product/process be used?  |             |
| <b>WHO</b> will use the product/process? Does the user have <u>special requirements</u> ? |             |
| <b>COST:</b> How much can people afford to spend for your solution?                       |             |

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| <p><b>SAFETY and QUALITY:</b> What level of <i>quality</i> will be used to make the product?</p>                       |  |
| <p><b>STYLE:</b> What must be present for the product to <i>appeal</i> to the <i>target market</i>?</p>                |  |
| <p><b>TIME:</b> How much time do you have to make your prototype? How quickly do people need it in the real world?</p> |  |
| <p><b>Other Factors:</b> List anything else that you think might limit your solutions</p>                              |  |