**Statement**

the best way Design a system that... "deos what it does with a specific frequency or smt"

**Objectives (don't make it the same as the problem statement)( use adjectives)**

Cost effective

Make the plant survive without assistance

**Constraints (**

Amount of water

Fit area for plant

**Functions**

Water certain time

Water certain amount

**Metrics (connects to one of the objectives only one)(needs numbers)**

Waters the plant for 3 min

**Specification (connects to one of the objectives only one)**

Must keep plants healthy

**Design Tradeoffs (say one of the things then explain it in a sentence after)**

Reduce cost until it starts becoming hazardous or smt

Considered the life cycle of my design because it wont

Instead of glass we use plastic because glass may break and hurt me later, the plastic can

Design and assembly

Minimize the amount of parts no complex assembly

Stagger the workload to make it a faster

Use machines to manufacture the product because it will quicken the workload

Minimize the number of assembly operations

Use modular design and subassemblies

Minimize the amount of parts and the part variation