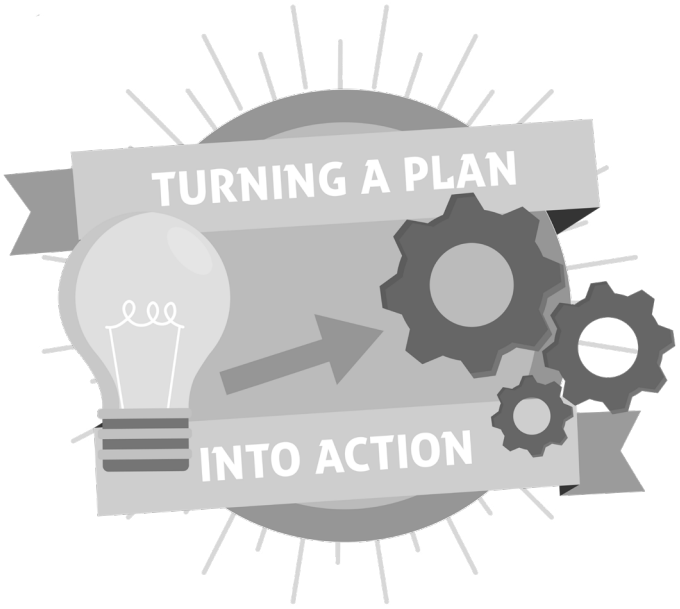
Name: _____ Date: _____ Period: _____



Water Conservation *Data Jam*

1. What problem are you trying to solve?

2. Who is the target audience you need to reach to bring about change?

3. Do some research on how other people may have addressed the problem you identified. Brainstorm solutions and list three potential ideas you could design, build, or create. One of these might be the solution you proposed in your Water Conservation Data Jam project Report.

4. What constraints (or limiting factors) are important to consider when creating your solution (i.e., cost, safety, time, access to materials, etc.)? Fill out the T-chart to analyze the constraints that may affect each of the solutions you listed in question 3. Then, circle the solution you listed in question 3 that you think is the most feasible.

POSSIBLE CONSTRAINT	HOW WOULD THIS AFFECT MY SOLUTION IDEAS?

5. How will you know that your solution is successful? List one or two measurable criteria you can use to determine success.

6. Create your solution. For example, you could build a prototype or model, or you could make a graphic or public service announcement. If your solution is a prototype or model, take a photo of your solution, and submit it as a separate attachment. Write a descriptive caption for your project below. For a public service announcement, make sure to include: (1) the main idea of your solution, (2) key points, (3) a memorable title, and (4) a catchphrase.

7. Test your solution and report your results here. Did you meet the criteria for success you listed in question 5? What worked well? What could have gone better?

8. Imagine you received a grant for $1,000 and also had unlimited time. With the constraints of money and time removed, describe changes you would make to your solution.