

Name:

Date:

Class:

Making Dirty Water Drinkable! Student Worksheet

Group Member Names:

1. **Define the Problem:** ask to identify the needs and constraints, research the problem

2. **Possible Solution:** imagine possible solutions, plan by selecting a promising solution

3. **Sketch your water bottle design here:**

Create your prototype.

4. **Dirty Water Quality Test:**

Appearance:

pH: _____ (Ideal pH is 7)

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5. Test Water Quality (#1)

Appearance:

pH: _____ (Ideal pH is 7)

6. Reflection of Initial Test: How can you **improve** your design?

7. Redesign Sketch:

8. Test Water Quality (#2)

Appearance:

pH: _____ (Ideal pH is 7)