Name: _____ **Date:** _____

Save a Life, Clean Some Water! Activity – Let's Clean Some Water! Data Worksheet

Instructions

Turbidity - measure in cm if using a Turbidity Tube and NTU (or FTU) if using a turbidimeter

Total Coliforms – count blue and red dots on the Petrifilm

E. coli – count only blue dots on the Petrifilm

Parameter	Influent Water	Effluent Water	Improvement (%)
Turbidity (cm or NTU)			
Total Coliform (CFU)			
***E. coli* (CFU)**			

Calculating Improvement

$$\frac{(\text{Influent} - \text{Effluent})}{\text{Influent}} \times 100 = \text{Percent Improvement}$$

If measuring turbidity in cm, use the following equation (because in this case a higher number indicates lower turbidity)**:**

$$\frac{(\text{Effluent} - \text{Influent})}{\text{Effluent}} \times 100 = \text{Percent Improvement}$$

Questions

1. Did your water filtration/disinfection system work? _____
2. Was there a decrease in turbidity and coliforms? _____
3. Did the treated water meet WHO or US EPA recommendations for turbidity, total coliforms, and E. coli? _____
4. Describe your results. _____

_____

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