

## Lab Report Template

Jake Miller  
Activity 4.3.5 Drink this.

### Problem

What water is the most drinkable out of Indian creek, Bendas water, Dasani water and distilled water.

### Hypothesis

I think that the Dasani bottled will be the most drinkable.

### Materials

- o Ph sensor
- o Thermometer
- o Total dissolved solids sensor
- o Turbidity sensor
- o Lab quest
- o 4 250ml beakers
- o Chloride tests

### Procedures

- I. Put a water sample in a beaker
- II. Test the ph of the water
- III. Test the turbidity of the water
- IV. Test the conductivity of the water
- V. Test the temperature of the water
- VI. Test the chlorinity of the water
- VII. Repeat steps 1-6 for other samples

### Data Collection

sample	ph.	turbidity	conductivity	Temperature	chloride
<b>Indian creek</b>	10.30	5.5	105.0	24.0	0
<b>Bendas house</b>	7.00	28.0	265.5	22.6	0
<b>Distilled water</b>	8.20	20.0	257.3	21.3	0
<b>Dasani water</b>	9.00	17.0	252.2	19.6	0

### Analysis of Results

All waters had a ph range of 7 to 10.3 and a turbidity range of 28 to 5.5. the conductivity range of 105 to 265. A temperature range of 19.6 to 24 and chloride 0.

### Conclusions

Based on the results the Dasani water was the most drinkable. My hypothesis was correct by Dasani being the most drinkable. Possible errors were rushing the tests and the lab quest malfunctioning a little. A question could be what water is the least drinkable.