Plant Data

(from root to top 12 cm tall)

May 24th 12cm tall (no growth)

May 25th 12cm tall (no growth)

May 26th 12cm tall (no growth)

May 27th 12cm tall (no growth)

May 28th 12cm tall (no growth

May 29th 12cm tall (no growth)

May 30th 12cm tall (no growth)

May 31st 12cm tall (no growth) (leaves starting to brown)

June 1st 12cm tall (no growth) (leaves getting dryer)

June 2nd 12 ½ cm tall ( ½ growth) (one leaf fell off)

June 3rd 12 ½ cm tall (no growth) (plant is very dry)

June 4th 12 ½ cm tall (no growth) (Another leaf fell off)

June 5th 12 ½ cm tall (no growth) (two leaf’s left)

June 6th 13 cm tall (½ cm growth) (two leaf’s left)

June 7th 13 cm tall (no growth) (1 ½ leaf’s left)

June 8th 13 cm tall (no growth) (1 ½ leaf’s left still soil is dry)

June 9th 13 cm tall (no growth) (1 ½ leaf’s left)

June 10th 13 cm tall (no growth) (1 ½ leaf’s left)

June 11th 13 cm tall (no growth) (1 ½ leaf’s left)

June 12th 14 cm tall (1 cm growth) (1 leaf left)

June 13th (Stem snapped plant dead)

June 14th

June 15th

June 16th

June 17th

June 18th

1. **Question and Predict**

How does polluted water affect a plants seed? I believe that the plant will fail to grow with this water as I think that the detergent will kill the seed not letting it to grow. The plant might grow but I don’t think it would grow to its full potential as if we watered it with normal water. I think that the plant will fail to grow because the chemicals in the water are not good for the plant and the amount that we will put in (little) will most likely kill the plant seed. The chemicals in the water will pollute the water but I think even with this the plant will grow maybe not to its full potential and it might now look as good but I believe that it still might grow.

1. **Planning and Conducting**

Each partner will have two plants, and will water one with normal water and one with water an detergent mixed in, we will water each plant and see how the plant reacts to each water.

Some issues are that the water in the environment is so polluted that when animals like deer go to drink the water it will affect them in a bad way. All well need is our computers nothing else. Not much we need to make sure not to put to much detergent into the plant so that it will not over power the plants or the water that its going in, other than that not much we need to worry about.

1. **Processing and analyzing data and information**

?? First people are with the nature and they would know what is going on with our plant and why it is dying, first nations people. First people respect the land and everything that is living within there quarters so they would never do something like this to their land or creatures inside of it. I also believe that the first nations people are good about keeping the earth the way it is, because the stuff that they say is very meaningful and they truly understand what this earth needs to stay the way it is.

(on paper) (Bar Graph)

Plant A Plant B

14 cm 10 cm

The plants should have grown the same size but it didn’t because of some of the chemicals in the water we put into plant A. The plant that we put the chemicals in grew bigger than the other one that we used clean water with.

**D. Evaluate/ Conclude**

Did your findings support your hypothesis? No, because I believed that the plant would not grow but in the end the plant ended up growing 2cm. I believe that my project failed because all of the chemicals that are in detergent, mostly bleach, because these chemicals made the soil dry and made the plant stiff, which cause the plant to die. There are some alternative conclusions but they have no support or reason to back them up. Like I could have just gotten a dud of all the plants but I believe that this is not the case because it did row in size and it looked healthy until I added the water to it. Some sources of uncertainty’s are that we did not know if the bleach would have killed the plant right away, or if we were going to put to much detergent in. Another one is that we were not sure if we should have left the plants exposed to the sunlight. In the experiment, there is not too many cousin variables it was pretty straight forward, no much to mess up. In our next experiment, I think I would have a better plan to start with because in this experiment I just bought a plant and put ¼ cup of detergent in it with a cup of water every day, not knowing what to write down, so overall next experiment I do I need something better to go off of.

Size in Cm over the Weeks.