

## Handout Ans

1. Label soil sample and describe where you found it.

*Soil collected in my backyard garden in Sudbury, Ontario. Soil has flowers (Lillies growing in it). Soil is dark and has pieces of dead plant material and has white speckles.*

2. Write down observations for each test (acidic and alkaline);

### Acidic test (baking soda):

*No reaction. No bubbles formed.*

*Note: If bubbles form soil is acidic*

### Alkaline test (vinegar):

*No reaction. No bubbles formed.*

*Note: If bubbles form soil is basic/alkaline*

3. Based on your observations what type of pH is your collected soil? Circle one;

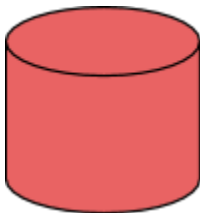
Neutral (= 7pH)

Acidic (< 7pH)

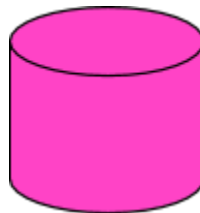
Alkaline (> 7pH)

4. Colour each of the jars to its correct pH colour:

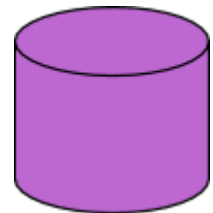
Lemon Juice



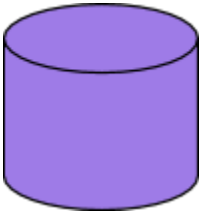
Vinegar



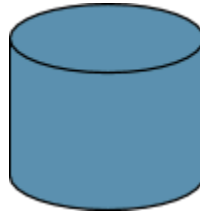
Milk



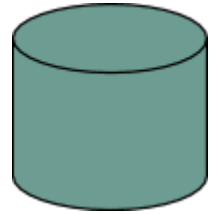
Water



Baking Soda



Bleach



5. Determine what colour matches with your soil. Colour in your jar as well as write down what the pH is.

*Based on the results of my test the soil in my garden has a pH of around 6. This means that it is slightly acidic although close to a neutral pH.*

