

Student Name _____ Date _____

Soil Lab Analysis

Items Needed for this lab:

Fun size M&M packets

Colored Pencils

Directions:

1. Open your bag to M&Ms (do not eat any of them!) and separate each color into piles
2. On the back of this page, under “Basic Soil Results” list how many M&Ms you have of each color. Each color represents a different element in the soil. The element represented is listed to the right of each color.
3. What color do you have the least of? Write the smallest number you have in the Min space, this may be zero.
4. What color do you have the most of? Write the largest number you have in the Max space.
5. Using the chart on the right side of the page; using your red colored pencil color in the number of red M&Ms you have, one square per M&M. Follow the arrow and start at the bottom of the chart then color up for the number of M&Ms you have. If you don’t have any red M&Ms leave this column empty.
6. Complete the rest of your chart with the remaining colors – remember one square per M&M starting at the bottom and working your way to the top.
7. Using the chart on the bottom of the page: using your blue colored pencil color in the number of blue M&Ms you have, one square per M&M. Starting on the left with the number 1 and only coloring 1 square per M&M.

Evaluating Results

1. Looking over your charts, what can you tell me about your soil?
2. What recommendations would you make to improve your soil?
3. Compare your results to at least 3 of your classmates, which of them had the best soil analysis? What made you come to this conclusion?

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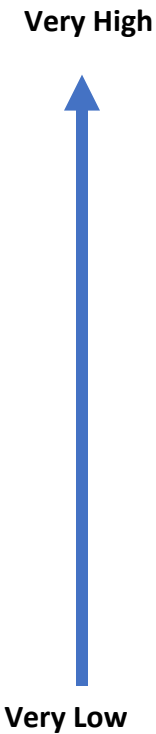
Student Name _____ Date _____

Soil Lab Analysis

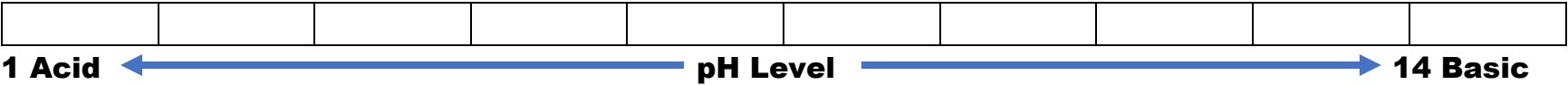
Circle One:
Farm Garden Lawn Other
of Samples submitted _____

Basic Soil Results

Red _____ Nitrogen _____
Orange _____ Phosphorus _____
Yellow _____ Potassium _____
Green _____ Calcium _____
Dark Brown _____ Organic Matter _____
Blue _____ pH _____
Min _____ Max _____



N	P	K	Ca	OM



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