**Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**Pd.\_\_\_\_\_\_\_\_ Date:** \_\_\_\_\_\_\_\_\_\_\_\_\_

Assignment----------------------**Soil Recipe Ever – 20 pts**

**Assignment:** Based on information about soil composition and plant requirements, create a potting soil ‘recipe’ that will provide the proper: structure (pore space, tilth, water holding capacity), nutrients (N-P-K), chemistry (pH & ions), and biological community (happy bacteria, mycorrhizal fungus). We will use your recipes in future class experiments and to grow our vegetable starts for the annual Plant Sale.

**List Ingredients (and their proportion in your recipe), their role in the soil, and any notes as to why they were chosen. Use back of sheet if required.**

**Ex. 1/5 Vermiculite:** This ingredient (a mineral that has been expanded with heat) will add needed pore space both for good drainage and for oxygen access to roots and other soil organisms that are aerobic. This will prevent water-logging and consequently root-rot or other fungul infections.

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