**Name:**

**Date:**

**School:**

**Facilitator:**

6.01 Soil Composition

**Part One Directions: Usie a drawing program to create an illustration of a typical soil profile. You cannot just copy one from the internet; you must draw your own! Draw the soil horizons in order and make each horizon its own color. Your drawing must include O, A, B, and C horizons and bedrock. Save the image as a jpeg and paste it into this document.**

Soil Profile (Paste your illustration below):

**Part Two Directions: Complete the following information about your illustration.**

Soil Profile Key – which color is each layer?

O Horizon –

A Horizon –

B Horizon –

C Horizon –

Bedrock -

Write two facts about each layer:

O Horizon –

A Horizon –

B Horizon –

C Horizon –

Bedrock -

Do the layers have any other names? (topsoil, subsoil, etc.?):

O Horizon –

A Horizon –

B Horizon –

C Horizon –

Bedrock -

Which websites did you use to help create your illustration? (You can use the websites listed above or others that you found):

Website #1 –

Website #2 –

**Part Three Directions: Answer the following questions about soil makeup.**

1. In the typical soil, how much of the soil content is made up of inorganic material, organic material, water, and air?

2. Explain what a soil profile is and why it would be important to a farmer.

3. What type/texture of soil would you want to have if you needed water to drain quickly through it? Explain why.

4.List and explain the 3 physical characteristics/properties of soil. What is the one chemical property of soil that you learned about in this lesson?

5. What component/part of the soil comes from parent material? Where does this parent material come from?