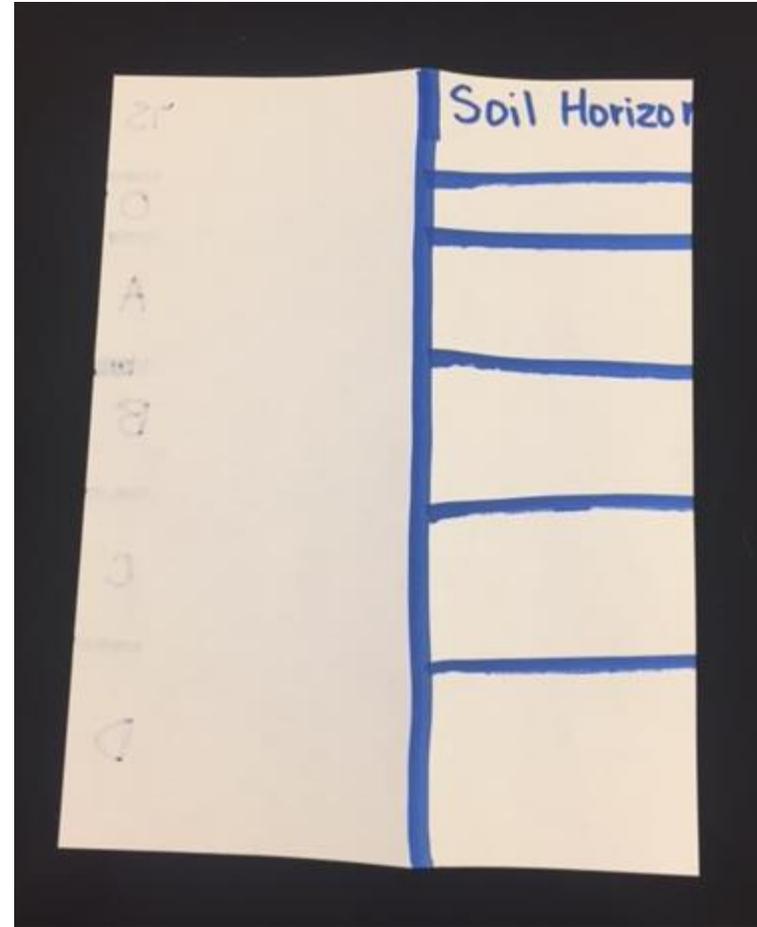
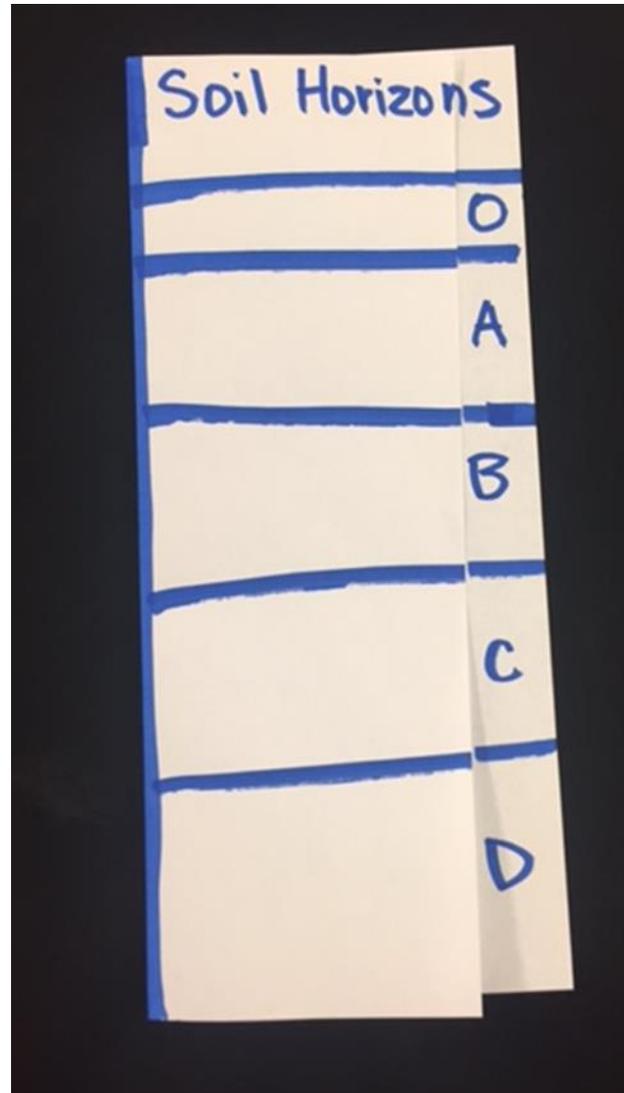


# Soil Horizons Foldable

Fold a sheet of paper vertically (hot dog) on the solid line.

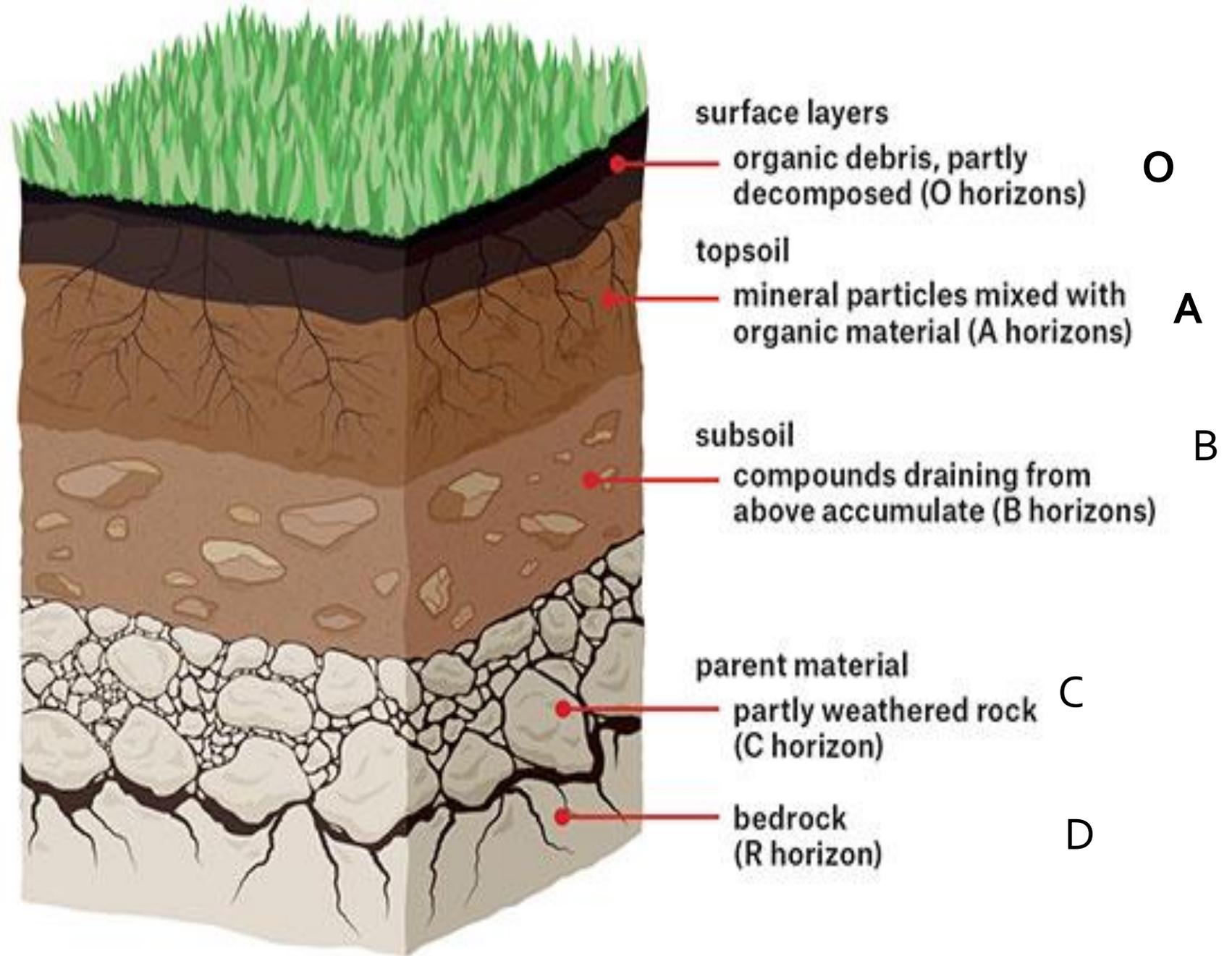


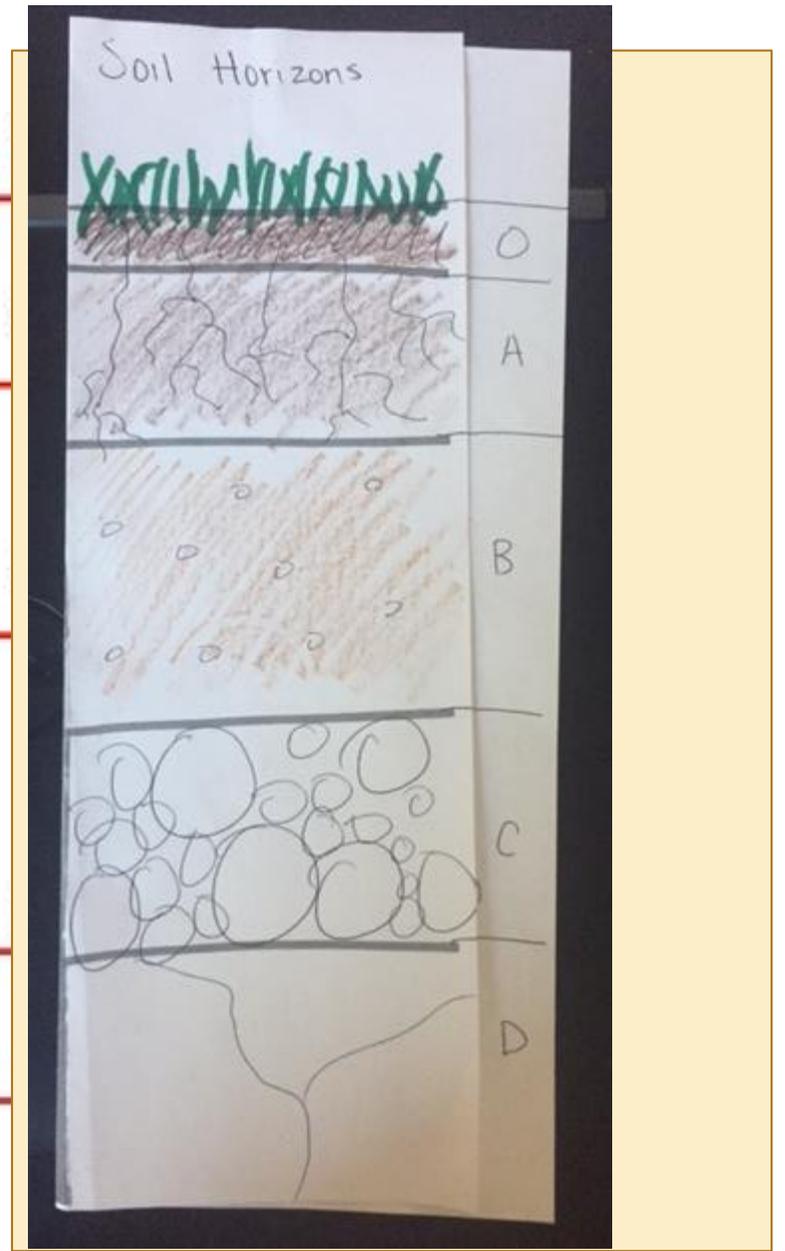
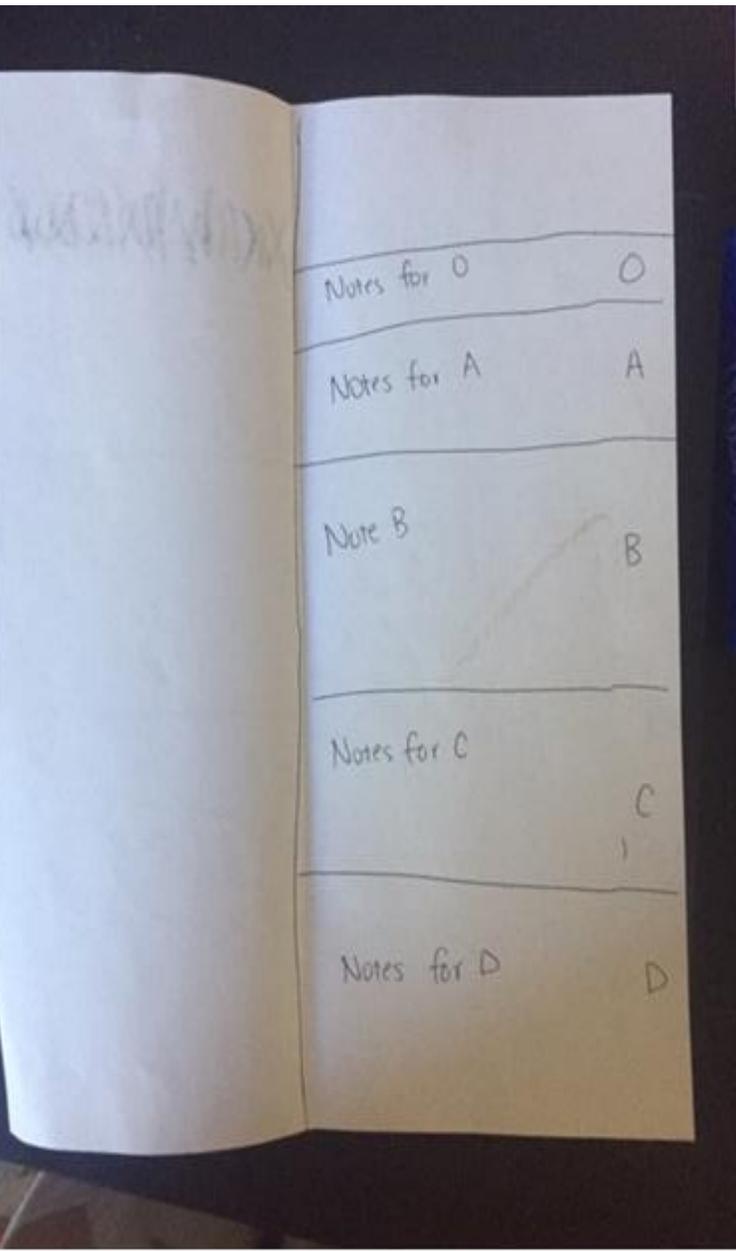
Divide the folded sheet into 6 sections as in the example to the right. Label the top "Soil Horizons", this section should be for title, make it smaller than the others. Label the remaining sections as follows: O, A, B, C, D from top to bottom.



On the outside of the foldable illustrate the different layers using colored pencils or crayons.

This is important for you to use for the remainder of the week, do a good job please!





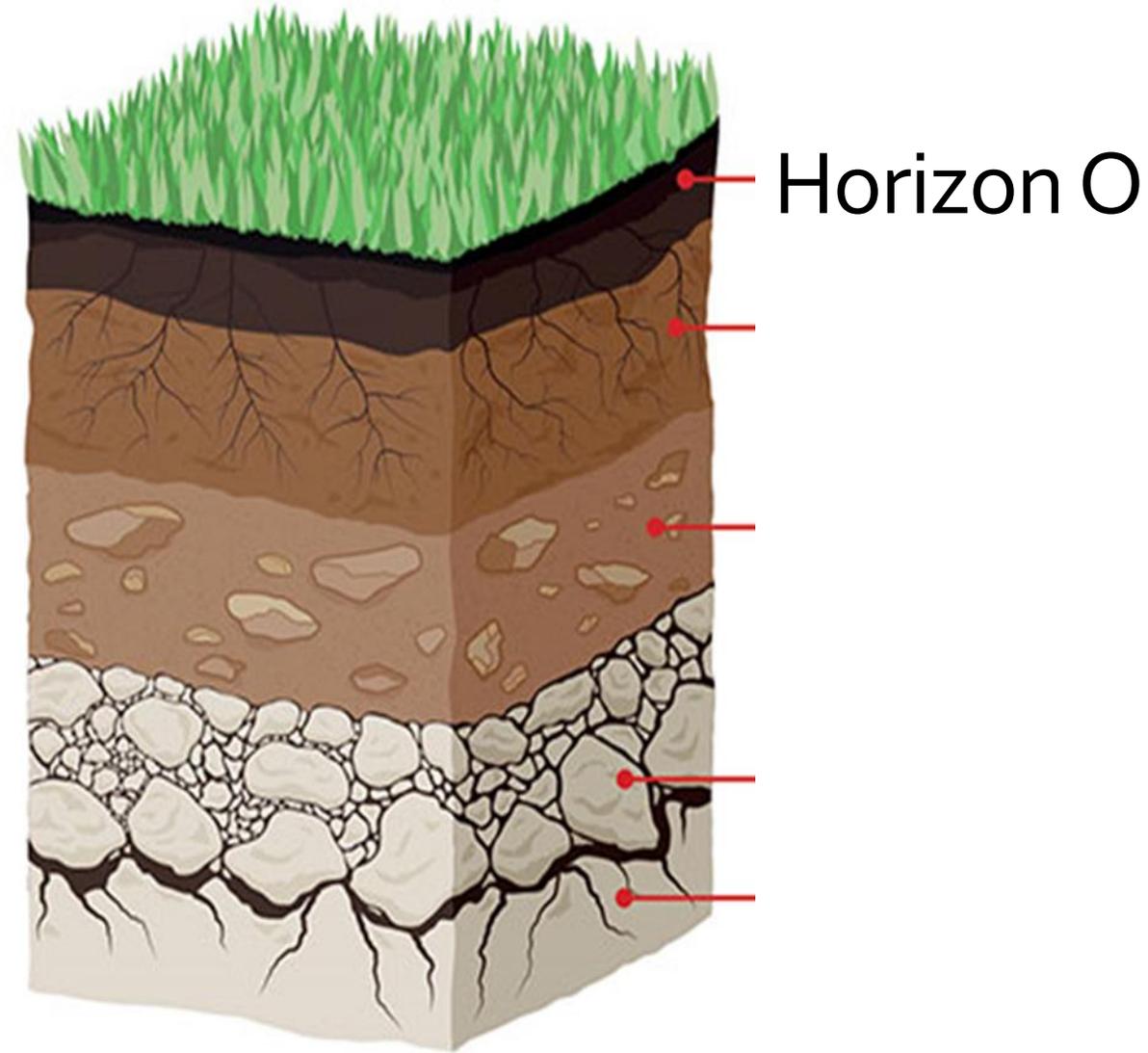
**Notes: Each layer of this soil profile is called a soil horizon. You have already labeled each horizon, drawn what it would like in real-life. Now you will write descriptions on the inside of the foldable. Be specific and complete in your explanation.**



# HORIZON “O”-

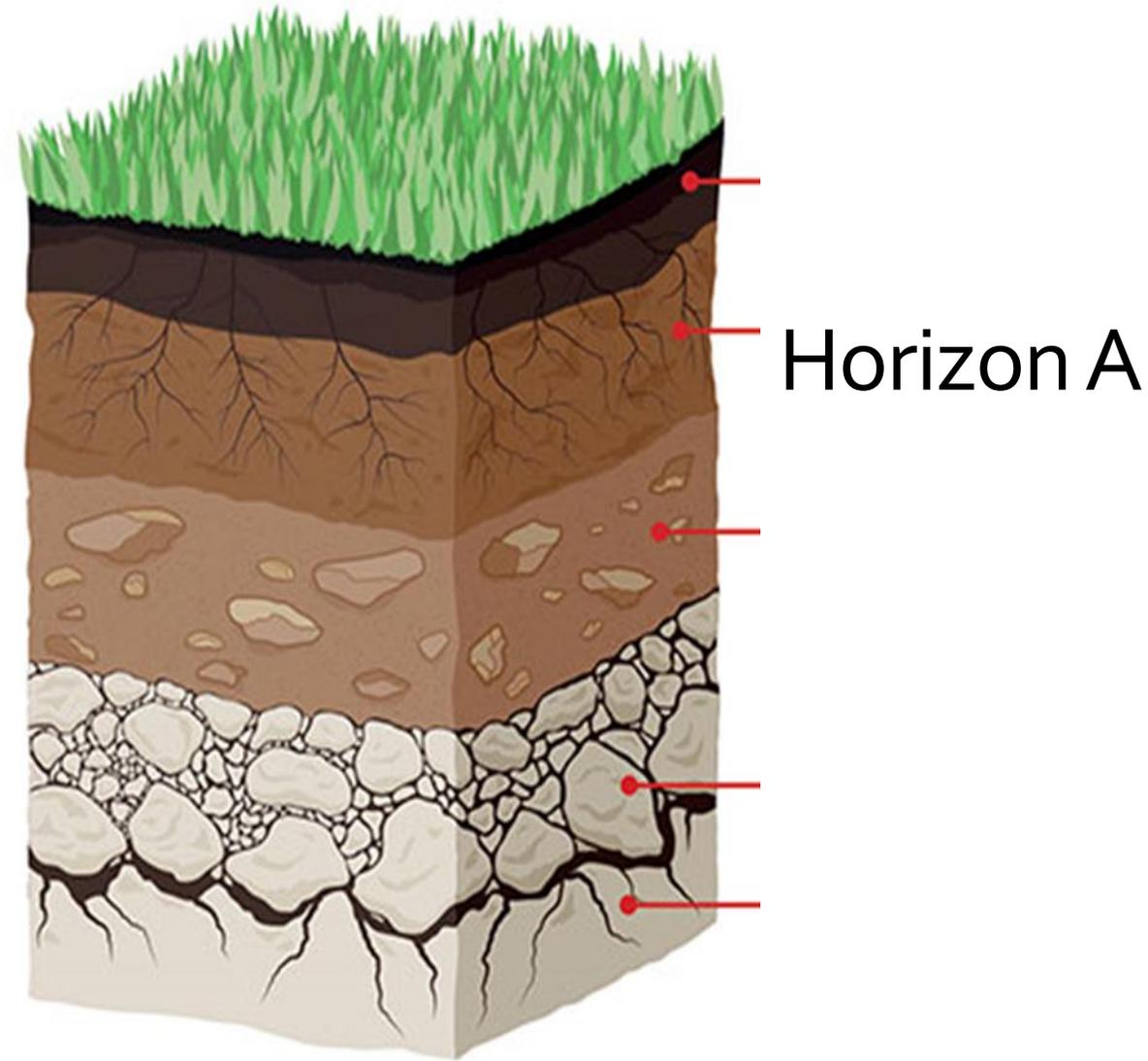
## “Organic Matter”

- This is the top layer of soil that is made up of living and decomposed materials like leaves, plants, and bugs.
- This layer is very thin and is usually pretty dark.



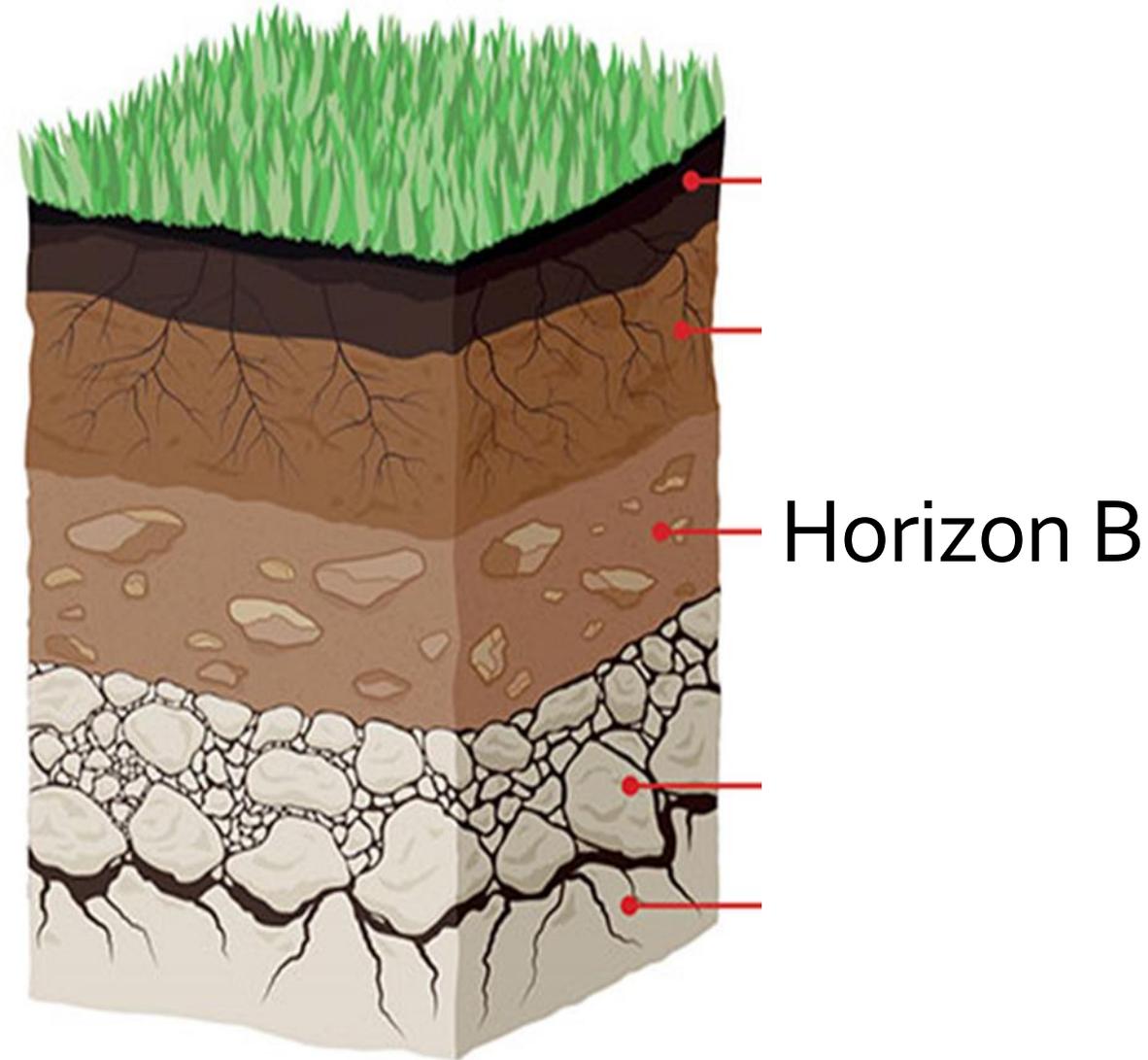
## HORIZON "A" – "Top Soil"

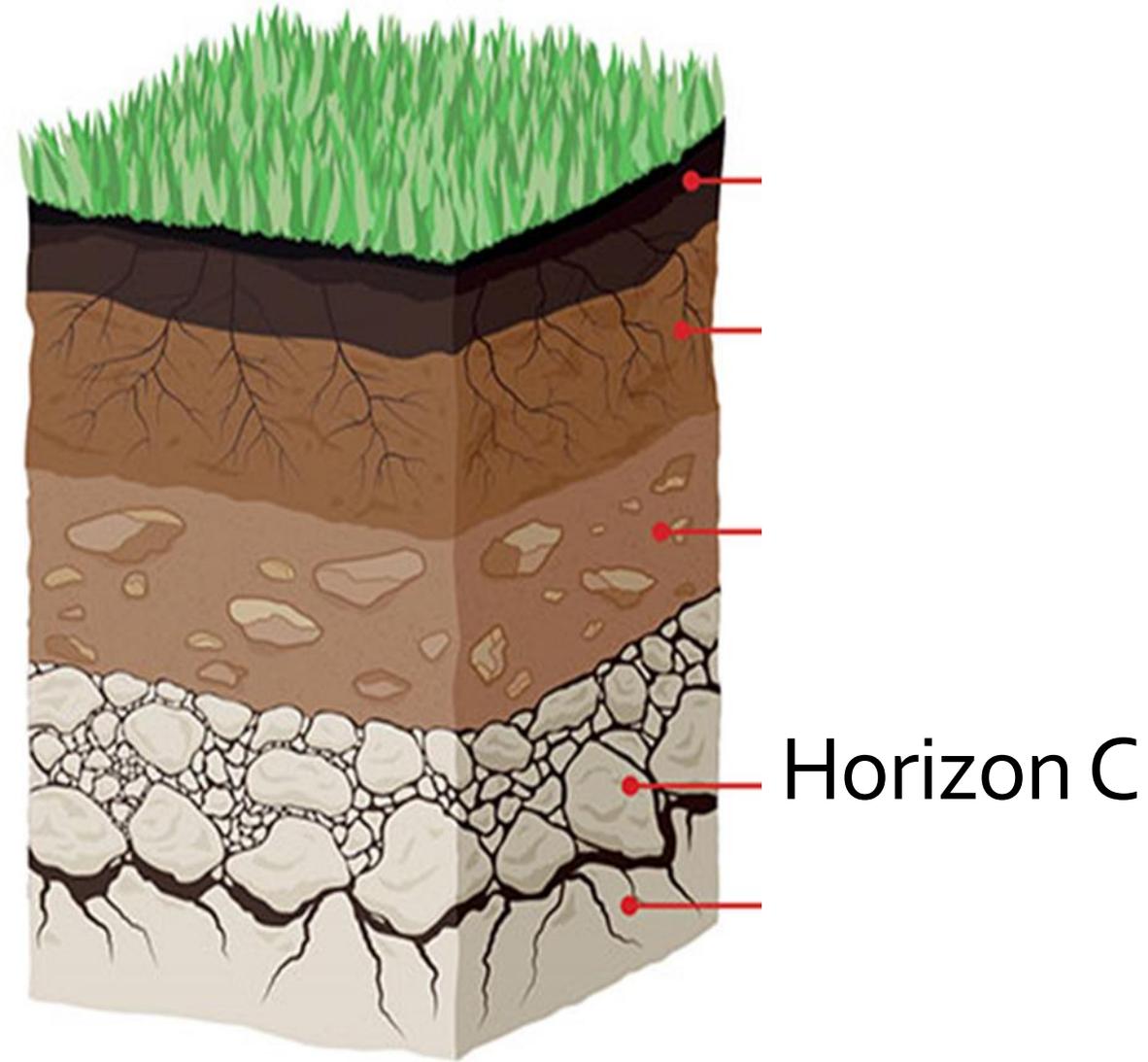
- This is the layer that we call "topsoil" and it is located just below the O Horizon.
- It contains humus, plant roots, and decayed organic matter.
- Top soil is darker in color due to all of the decayed organic matter.
- This is the most fertile horizon due to all of the humus.



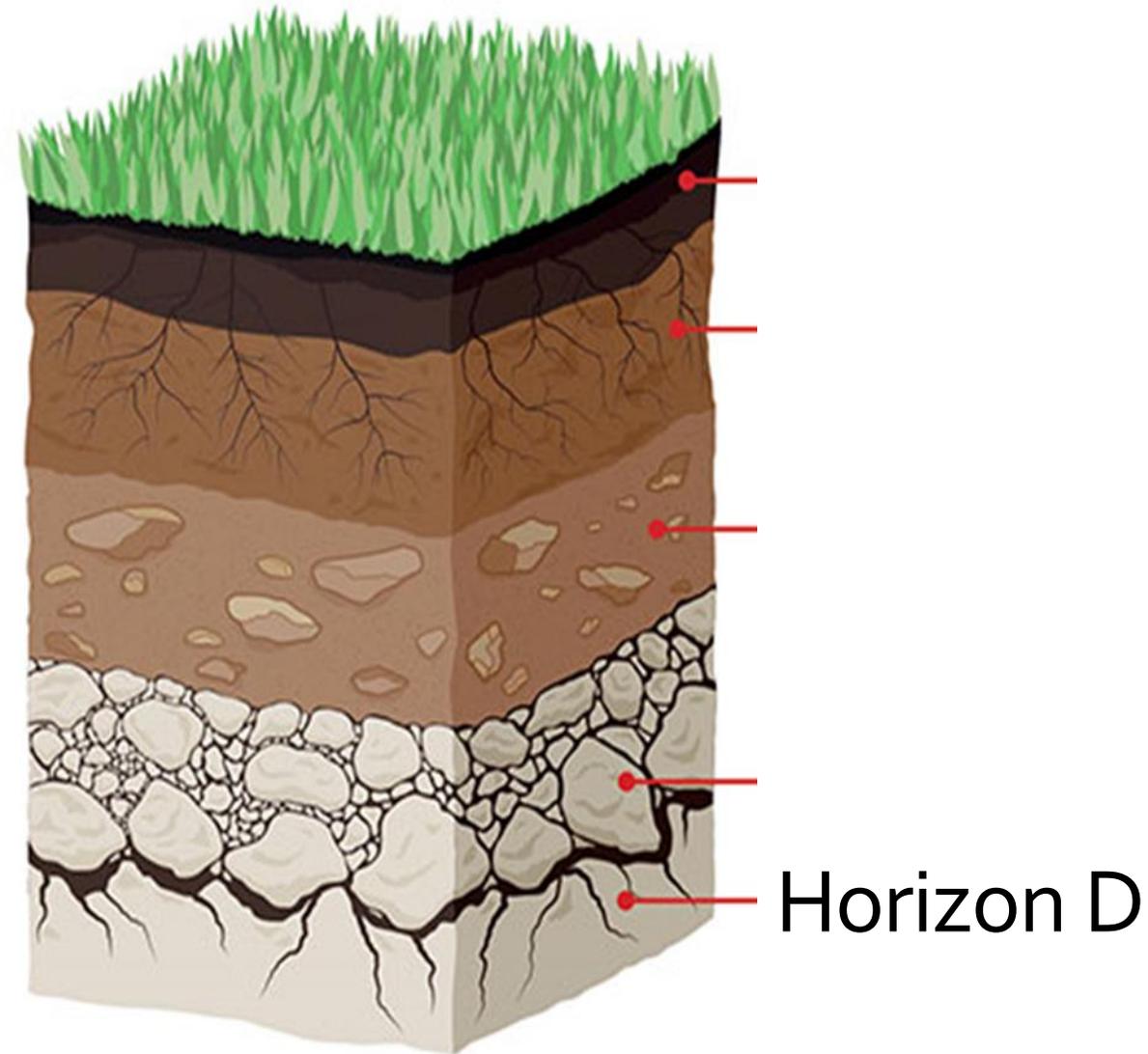
## HORIZON “B” - “Subsoil”

- This is the layer that we call "subsoil" and it is located just below the A Horizon.
- This layer has clay and mineral deposits and less organic materials than the layers above it.
- This layer is also lighter in color than the layers above it.
- The soil in this layer is compacted and more dense than Layers “O” and “A”





- **HORIZON “C”** - “Unconsolidated Parent Material” (materials from horizons above, not combined)
- This is the layer that we call “partially weathered rock” and it is located just below the B Horizon.
- This layer is made up of slightly unbroken rock and only a little bit of organic material is found here.
- Plant roots are not found in this layer.



- **D HORIZON- “Bed Rock”**
- This is the layer we call “bedrock” and it is solid rock that has not been weathered.
- Bed rock contains the least amount of humus making it the least fertile horizon.