**Soil Horizons**

Horizon: a side \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the layers of soil

\_\_\_\_\_\_\_\_\_\_ is usually divided into \_\_\_ main layers, but will also include the layers \_\_\_\_\_\_\_\_\_\_\_\_ and below for a total of *\_\_\_\_\_\_* layers.

O Horizon: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Not really* a layer of \_\_\_\_\_\_\_\_\_\_\_\_

It’s on top of the first layer of soil

Contains \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_

A Horizon: \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_ layer of soil

\_\_\_\_\_\_\_\_\_\_\_ layer of soil (dark brown or black)

Contains \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, small animals, \_\_\_\_\_\_\_\_\_\_\_, and nutrients for plant growth

The \_\_\_\_\_\_\_\_\_\_\_\_ the soil, the more \_\_\_\_\_\_\_\_\_\_\_\_\_ it contains

B Horizon: \_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_ layer of soil

Lighter in color (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

Fewer \_\_\_\_\_\_\_\_\_\_\_\_\_ and water

\_\_\_\_\_\_\_\_\_\_\_\_\_ plant growth

C Horizon: Parent Material

\_\_\_\_\_\_\_\_\_\_\_\_ layer of soil

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in color (gray)

No \_\_\_\_\_\_\_\_\_\_\_\_, animals, or plant growth

Contains \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ rock and sediment

R Horizon: Bedrock

Below the last layer of soil

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Has not been weathered or broken down yet

No \_\_\_\_\_\_\_\_\_\_\_\_\_ in this layer

**REVIEW OF GOOD SOIL**

Dark in color means high nutrients, both organic and inorganic, not too wet or too dry, slightly acidic pH, not too much sand or clay, deep layer of topsoil

* **How do we protect soil**

Good farming practices.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ plowing when plowing around a hill, make rows around the hill, not up and down.

2. Conservation \_\_\_\_\_\_\_\_\_\_\_ means leaving the soil untilled (unplowed) unless it is necessary to break it up. Loose soil can blow away more readily than soil bound to plant roots.

3. Crop \_\_\_\_\_\_\_\_\_\_\_\_\_ to plant different crops in an area each year.

* Without Protection, Soil can

Erode

Have landslides

Have mudflows or mudslides

Slump