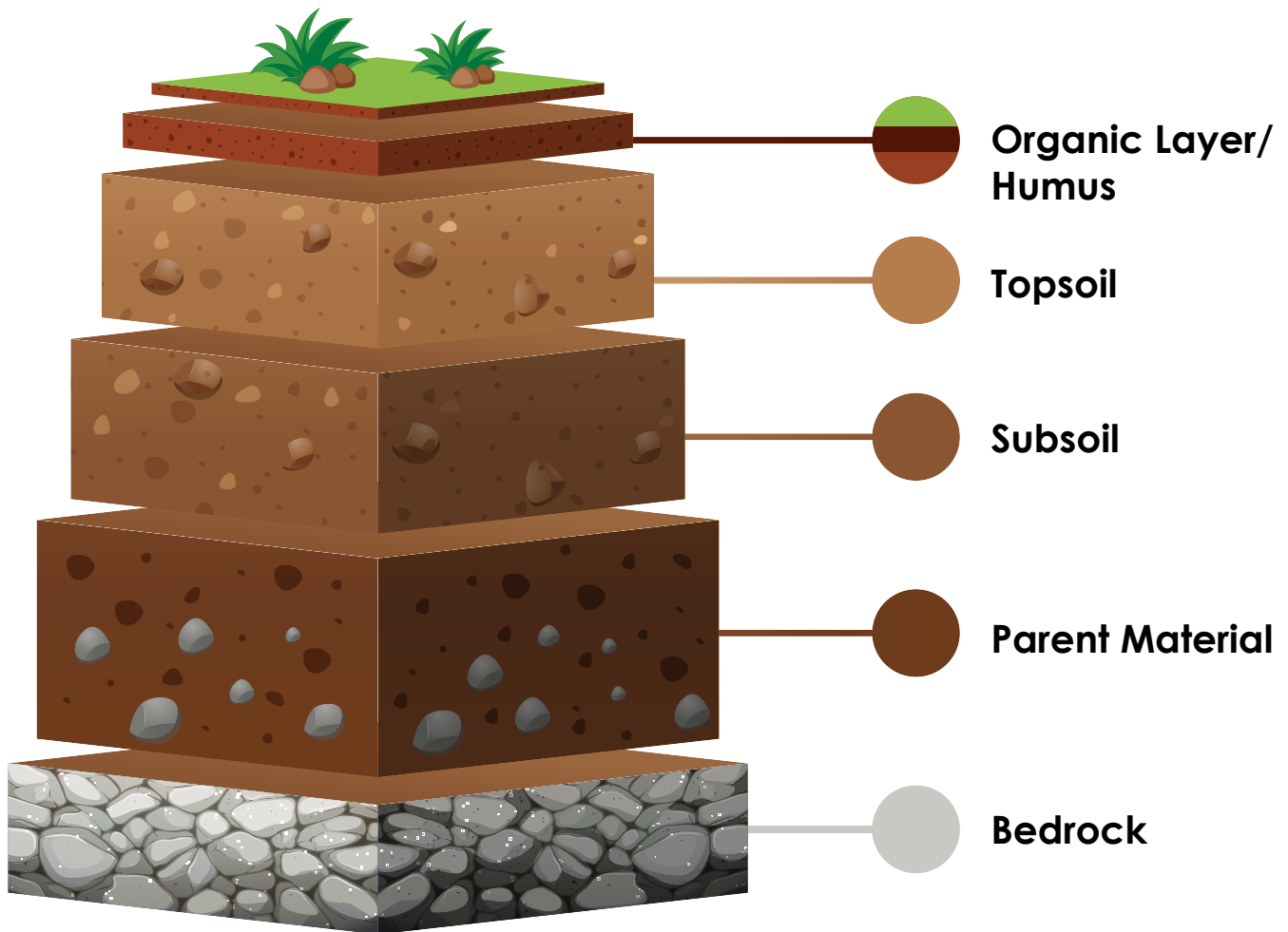


# Soil Layers on Earth



Name: \_\_\_\_\_

# What is Soil?

**Directions:** Match the definitions to the key words. These can be used in your records of soil observations.

humus ●

- The smallest type of rock particle.

clay ●

- Small rock particle larger than sand, ranging in size from 2mm to 4mm.

silt ●

- Small rock particles that are visible to the naked eye, larger than clay or silt, but smaller than gravel.

sand ●

- Mostly organic matter, such as decomposing leaves.

gravel ●

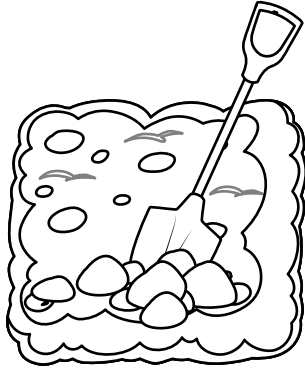
- Small rock particles, slightly larger than clay, that can be easily transported by wind and water.

pebble ●

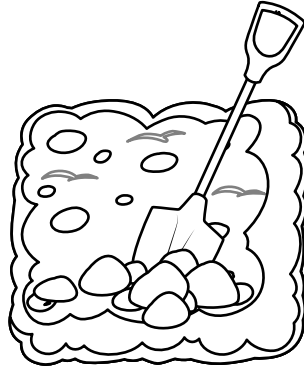
- Larger sized gravel ranging in size from 4mm to 64mm.

Name: \_\_\_\_\_

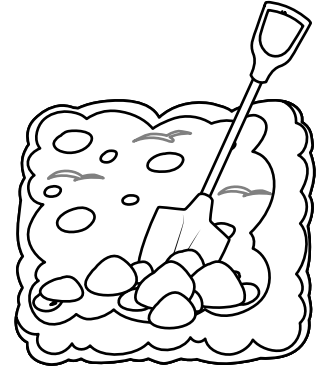
# Soil Types



**Sand**



**Loam**



**Clay**

**Color:**

**Texture:**

**Water Retention:**

**Color:**

**Texture:**

**Water Retention:**

**Color:**

**Texture:**

**Water Retention:**

Name: \_\_\_\_\_

# Color Soil Layers

## Draw Tree Roots



Humus

Top Soil

Sub Soil

Rock Materials

Bedrock

Name: \_\_\_\_\_

# What is Soil?

**Directions:** Can you find all the words about soil? Circle them as you find them!



- |                                    |                                    |                                  |                                     |                                  |
|------------------------------------|------------------------------------|----------------------------------|-------------------------------------|----------------------------------|
| <input type="checkbox"/> Sand      | <input type="checkbox"/> Silt      | <input type="checkbox"/> Clay    | <input type="checkbox"/> Loam       | <input type="checkbox"/> Soil    |
| <input type="checkbox"/> Decompose | <input type="checkbox"/> Humus     | <input type="checkbox"/> Bedrock | <input type="checkbox"/> Weathering | <input type="checkbox"/> Erosion |
| <input type="checkbox"/> Compost   | <input type="checkbox"/> Nutrients | <input type="checkbox"/> Organic |                                     |                                  |

Name: \_\_\_\_\_

# Help the Worm!

**Directions:** Help Mr. worm find its way out by labeling the layers of the soil.



Name: \_\_\_\_\_

# What is soil made of?

Why is each of these important in soil?

**SILT**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SAND**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CLAY**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ORGANIC MATTER**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**WATER**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**AIR**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ANIMALS**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Which one of these is there most of in soil.

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