

# Soil

## Study Guide & Review Worksheets

### Soil



Water  
Clay  
Silt  
Sand  
Rock

### Components of Soil

Components of soil include air, water, clay, silt, sand, humus, and rock.

smaller particles hold water best contains the most nutrients

larger particles does not hold water well contains the fewest nutrients

Clay Silt Sand Rock

### Soil and Plant Growth

#### Clay

Clay's tiny particles hold onto water and nutrients which is good for plant growth.



#### Silt

Silt's slightly larger particles can hold onto some water and nutrients. Silt supports plant growth, but not as well as clay.



#### Sand

Sand's larger particles let water and nutrients drain out quickly. It can be good for plants that need little water and nutrients to grow.



#### Humus

Humus is the dark, top part of soil. It is made of dead plants and animals. It gives plants nutrients needed to grow and keeps soil healthy.



### Soil and Life on Earth

Soil is an important natural resource. It provides support, nutrients, and a habitat for living things.

**Soil supports plants.** Plants use their roots to hold onto the soil and stay upright.

**Soil has nutrients.** Plants and animals need nutrients to live and grow.

**Soil provides habitats** for plants and animals. Animals such as moles and worms dig in the soil and make the soil their home.

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Name \_\_\_\_\_

### Soil Review

1. What are two types of animals that live in soil?
2. Haley is wanting to plant flowers that need a lot of water. What type of soil should she use?
3. How does soil provide support for plants?
4. Why is humus considered a valuable component of soil?
5. Monique puts several scoops of soil in a jar and shakes it. As the soil settles, she shows the soil's components. What is she likely pointing to? Why does this order matter?



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garden. Carrots should be planted in a garden that is not too muddy, the carrots will not grow. Why?

Soil, starting with the component that holds the most water and the component that holds the least water.

5. The flowers need damp soil and would be best to grow the flowers in soil that has the most humus. Who is right?

6. In his backyard, strawberries grow best in soil that is not too muddy. What type of soil should he use? Why?

7. Before planting their crops each spring, farmers test the soil. Why is it important to know the soil's components for growth on the farm?

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# Soil Study Guide 3rd Grade

**SJ Ball**



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