

**Erosion**

**Corrosion**

**To wear away or remove**

**What is going to happen when water is poured  
on each container of soil?**

**-water speed**

**-amount of run-off**

**-appearance of run-off**

**-water effect on contouring**

**What happened to the water on the bare slope?**

**Mulched slope?**

**Planted slope?**

**Next stop in water cycle?**

**In what ways do plants affect the movement of both water and sediment through the water cycle? (slow down so more can soak in, hold soil with roots)**

**What effect did the slopes have on the quality of water?**

**How did that difference happen?**

**How are forests important for maintaining the balance of water in a watershed? (Land that drains water into streams, lakes, rivers, oceans)**

## **Why is it important to conserve soil on the surface?**

**Soil quality- most of the nutrients needed to sustain the plant and animal life are in the top layer/horizon of soil.**

**If we lose this layer, this area will become useless to farmers and native plants.**

**Water quality – large amounts of sediment in lakes and rivers can negatively impact the plants, fish, and insects that live in the water.**

## **What are the implications?**

**Tillage- farmers who practice no-till or another type of conservation tillage leave more cover on the ground minimizing soil erosion**

**No - Till a way of growing crops that doesn't disturb the soil**

**Gardens, yards- in areas that have been dug up or where grass won't grow, putting down mulch or allowing fallen leaves to stay on the ground can help protect the soil .**

**Recreation- plants and grass that are maintained along riverbanks can help keep the water clean which makes better for swimming and fishing.**



# **Sediment**

**Any particle of soil or rock that has been deposited by water, wind, glaciers, or gravity**

# **Suspension**

**A fluid containing solid particles that are large enough for sedimentation**

# **Sedimentation**

**Tendency for particles in  
suspension to settle out  
of fluid**

# **Turbidity**

**The cloudiness of a liquid  
caused by individual  
particles suspended in  
the liquid**