



read

River Landscapes

Transportation and Deposition

quiz



The Big Picture

*river valleys and processes**

river landforms

River Landscapes

river management

case study



Key Terms



Deposition – Material that is being transported by a river is dropped.



Transportation – The process by which a river carries its load.



Traction – The rolling of boulders and pebbles along the river bed.



Saltation – Particles bouncing along the river bed.



Solution – Soluble particles are dissolved into the river.



Suspension – Fine solid material held in the water while the water is moving.



River Transportation

Suspension - fine material such as clay and sediment is carried by the river.



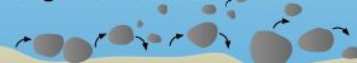
Solution - dissolved minerals are carried by the river.



Traction - large boulders and pebbles are rolled along the river bed.



Saltation - small stones, pebble and silt bounces along the river bed.



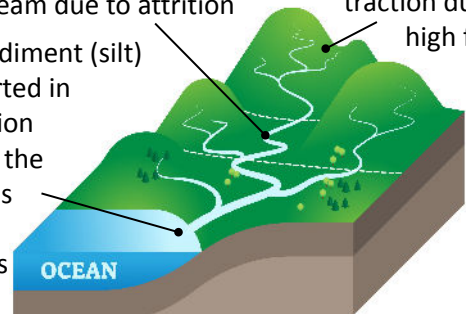
River Transportation

Transportation is affected by river velocity.

Transported material becomes smaller downstream due to attrition

Small sediment (silt) transported in suspension towards the mouth as material becomes smaller.

Large rocks transported by traction during high flow.



River Deposition

Deposition occurs when a river loses velocity.

Inside bend of meanders where the river flow is slowest.

River bed and banks where frictions slows the velocity.

Mouth of the river where tidal influences slow the river.

