

Making A Delta

You will need

A shoe box
Two garbage bags
Sand
Spoon
Water

Over a million of years, river can carve a deep gorge deep through solid rock, deposit a vast plain of fine mud called silt. The great rivers take tons of rocks, sand, mud from the land everyday and carry them into the sea. If the river meets a low lying area, the sediment is dropped. It may spread out into a fan shaped muddy plain called delta. When this happens, the river is forced to branch out into smaller streams as it flows into the sea.

1



Use your scissors to trim the top of the cardboard shoe box so that it is 4-6" in depth.

Waterproof the box by two garbage bags.

Cover the inside of the box with garbage bags by taping them at each end.

Make sure the seal between the garbage bag is secure.

2



Using a large spoon, carefully spread a layer of sand until it is 1.5-2 in deep.

Flatten the sand with your hand until it is smooth.

3



Keep one end of the container on a piece of wood to make a slope.

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Pour water on to the sand in the middle of the raised side of the box.

4



5



If you continue pouring, you will see that the water gradually washes away a path through the sand and the washed away sand is deposited at the lower end which is called a delta.