

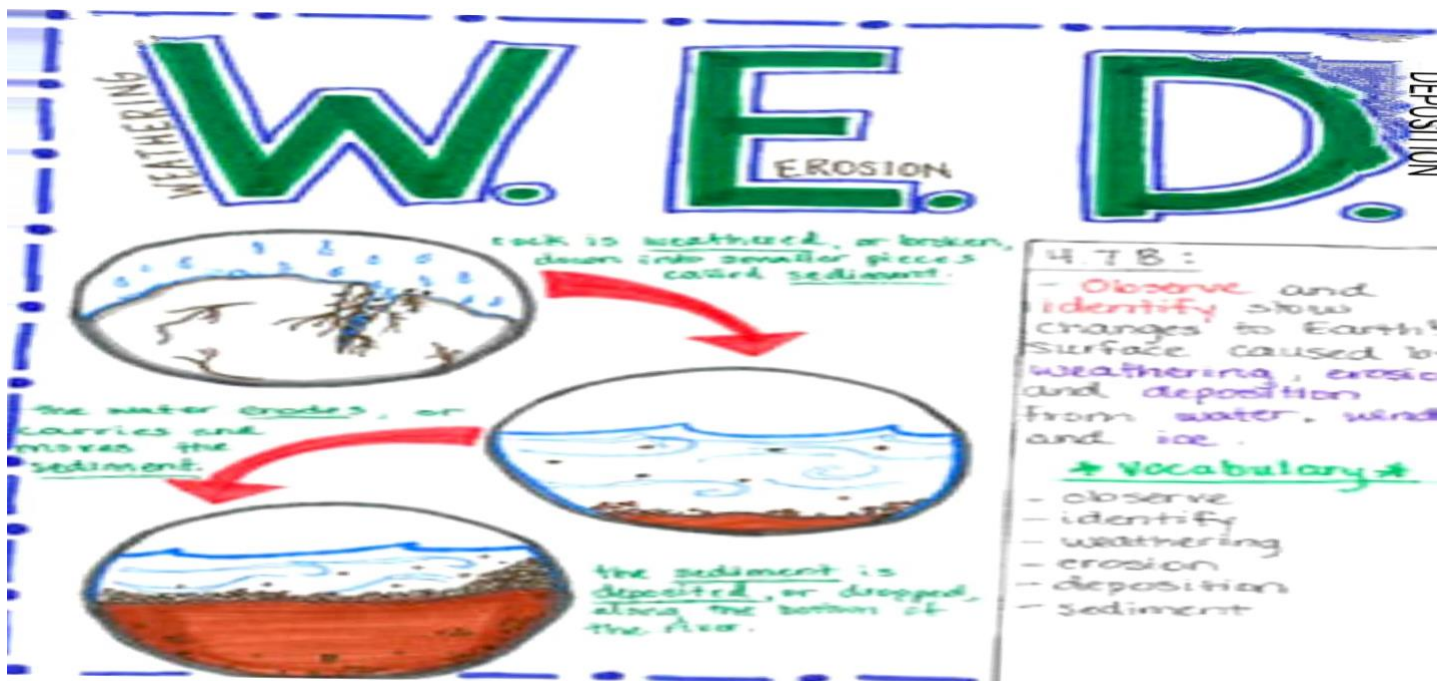
# Chapter – 3 (Geography)

## Class-- 7

### Our Changing Earth

**Weathering:** It is the breaking up of rocks on the earth's surface. It creates rock fragments.

**Erosion:** As mentioned earlier, it is the wearing away of landscape by different agents like wind, water and ice. The eroded material is carried away or transported by water, wind, etc. and eventually deposited. Different landforms are created on the earth's surface because of erosion and deposition.



## **Role of water in erosion/ deposition**

### **River**

The running water of the river erodes the landscape.

### **Waterfall**

A waterfall is formed when the river tumbles at steep angle:

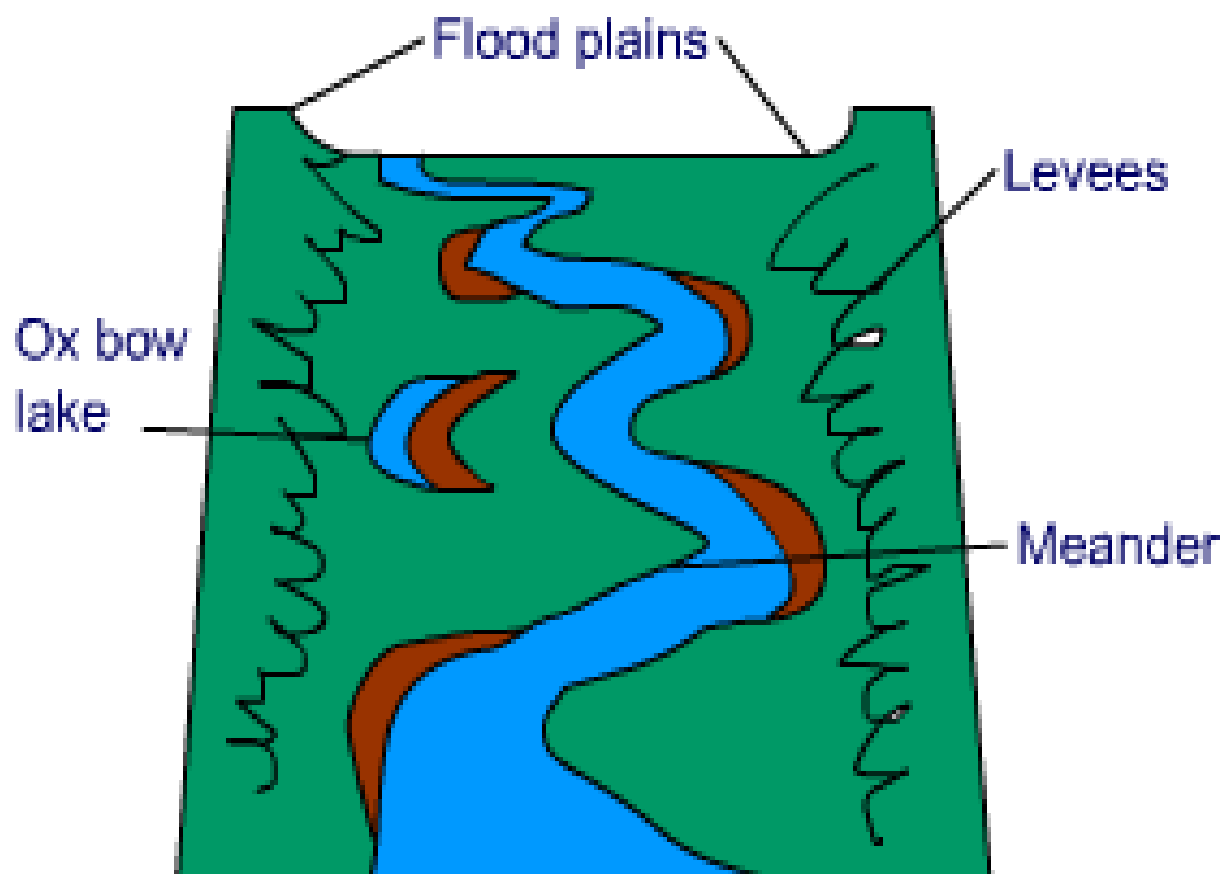
- . over very hard rocks or
- . down a steep valley side

## **Floodplain**

When the river overflows its banks, the neighbouring areas get flooded. When the river floods, it deposits layers of fine soil and other material called sediments along its banks. This leads to the formation of a floodplain. A floodplain is flat and fertile.

## Ox Bow Lake

As the river enters the plain, it twists and turns forming large bends called meanders. Due to continuous erosion and deposition along the sides of the meander, the ends of the meander loop come closer and closer. When this happens, over a course of time, the meander loop cuts off from the river and forms a cut – off lake. Such a lake is also called an ox-bow lake.



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