

Notes: Surface Water

Name: _____

I. Where is all the water?

- Oceans: _____%
- Ice: _____%
- Groundwater: _____%
- Salty lakes and Streams: _____%
- Freshwater lakes and streams: _____%
- Atmosphere: _____%

II. Where is all the Fresh Water?

- Ice: _____%
- Groundwater: _____%
- Lakes and Streams: _____%
- Atmosphere: _____%

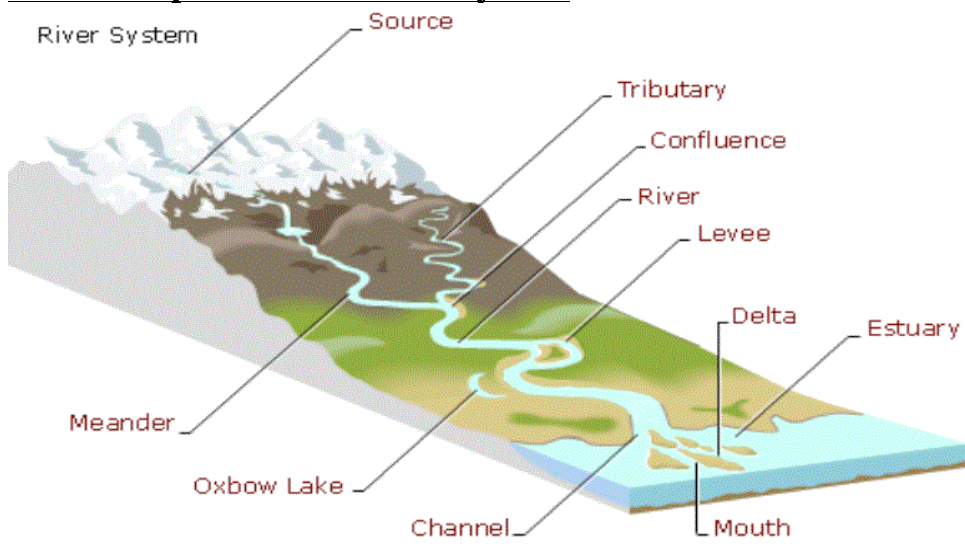
III. When it rains it either _____ the ground OR it remains on the _____, usually in motion.

IV. **What is a watershed?** It is an area that _____ to a stream.

What is a divide? Watershed _____ or divides are _____.

V. What is the name of the bay whose watershed we are in? _____.

Label the parts of the river system



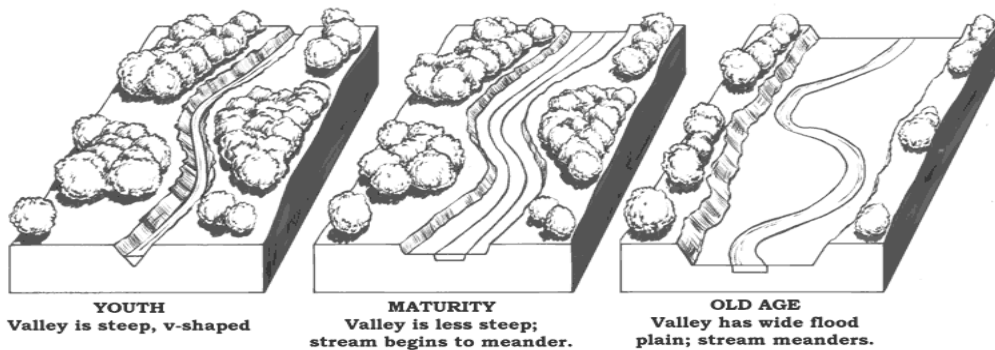
- Source
- Meander
- Drainage Divide
- Tributary
- Oxbow Lake
- Flood Plain
- Delta
- Mouth

VI. Streams are constantly changing. **Describe** each stage of a stream:

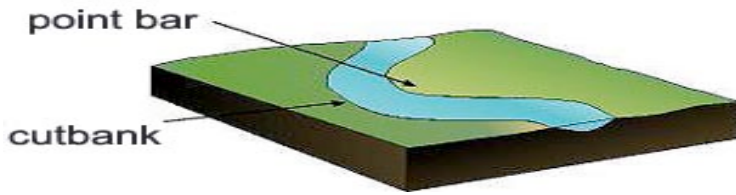
A. Young stream: _____.

B. Mature stream: _____.

C. Old stream: _____.

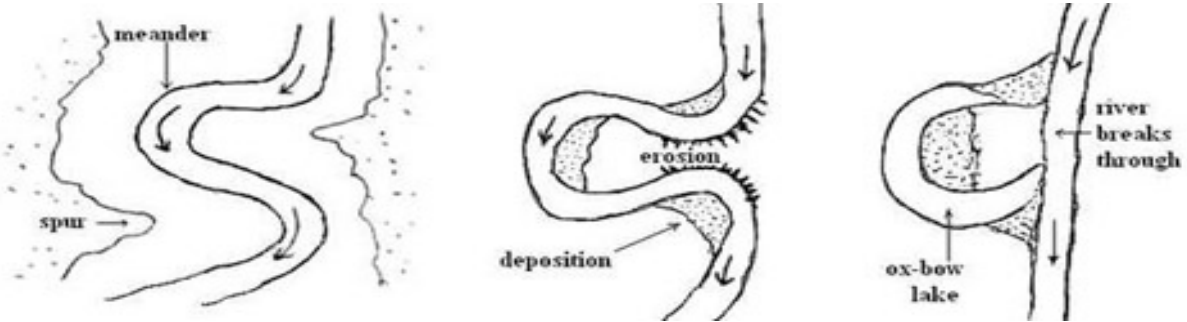


V. What is a meander? _____.



- A. **What is a cut bank?** Where the _____ away, _____ moving water.
- B. **What is a point bar?** The _____ of the curve where _____ is being _____. Slower water with less _____.
- C. **How do rivers become straight again?** A _____ forms. Over time the meander gets _____. It gets so curvy two cut banks _____. Eventually, none of the water goes around the meander anymore. The left over lake is an _____.

OXBOW Lake



formation:

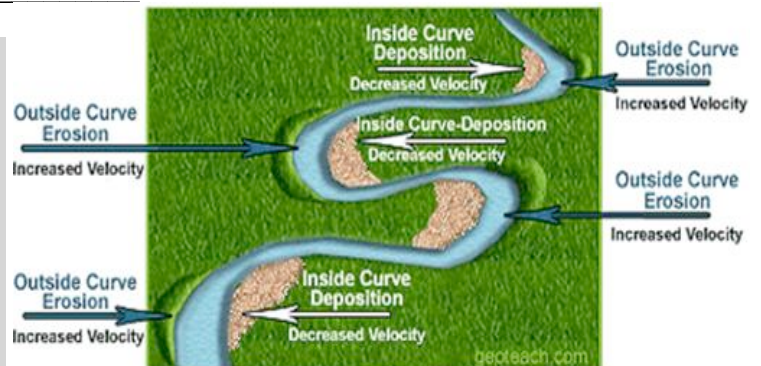
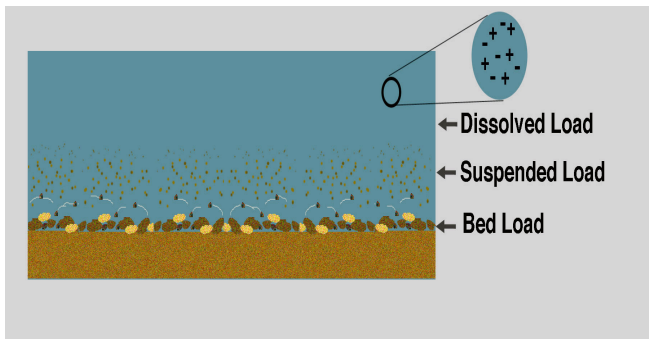
VI. **Flood Plain:** A flat or _____ around a river, where a river flows during flooding.

- A. **What is a delta?** Flood plains at the _____ (where a river ends) of rivers.
- B. _____ form when rivers drop (deposition) the soil/sediments at the base of the mountain.

VII. **Rivers carry sediment.** The three types of loads are:

- _____ : At the bottom include _____, _____, & _____.
- _____ : in the middle include _____ and _____.
- _____ : includes _____.

The faster the velocity of the water, the _____ the load.



VIII. **Factors that influence flooding:**

- 1.
- 2.
- 3.
- 4.
- 5.

IX. What chance does a 10 year flood have of occurring each year? _____

SOL Review: