

Running Water 2: Erosion & Deposition

Name _____

<http://www.learner.org/resources/series78.html>

1. Every day, the Colorado River in the Grand Canyon carries _____ tons of sediment past a point.
2. Which forms first, the valley or the river? _____ Explain.
3. List two things that happen to a river as it approaches its base level or the sea.
 - a. _____
 - b. _____
4. Describe what happens in each of Davis' river stages and the shape of the valley in each age. (These have nothing to do with age.)

'AGE'	WHAT HAPPENS	VALLEY SHAPE
YOUTH -		
MATURE -		
OLD AGE -		

5. Which will form a steeper river valley slope, rock or sediment? Explain why.

8:10 - Poor tree! Notice how its roots are holding the soil together. Plants help prevent erosion/mass wasting.

6. What forms a terrace? (There are two possible answers. Either is fine.)
7. What happens when a river enters a lake or ocean and why? (Good word - distributaries.)
8. If you were Ruler of the World (insert evil laugh), would you build a city near the end of the Mississippi River? Explain your reasoning. (You may want to wait until you hear all about the Low Sill and Structures at 21:00.)
9. Hey, why not just let the Mississippi River run out the Atchafalaya? Isn't that a good idea? Wouldn't that just solve all the problems?