

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

1. What is unexpected about the amount of water carried in rivers compared with the total rainfall? (Pierre Perrault link)

2. Circle the river characteristic that will lead to *greater* erosion.

FAST or SLOW

FLAT or STEEP

ROCKY BED or CLAY BED

WIDE FLAT BED or SEMI-CIRCULAR BED

3. Describe two ways that rivers wear down their river bed.

A)

B)

4. Which kind of river bed will wear down faster, a limestone bed or granite and why?

WHICH?

WHY?

5. Describe what kind of particle or material moves in each of the transport forms.

TRANSPORT TYPE

TYPE OF MATERIAL / PARTICLE

BED LOAD -

SALTATION -

SUSPENSION -

SOLUTION -

6. At 10:30, why did those sand bars form in the middle of the river? Shouldn't that stuff be moved downstream?

7. What do you think about putting cities next to a river? Is this wise? Explain.

8. Are artificial levees a good idea or bad idea? Again, explain your answer.

At 14:25, that is a boat on the Mississippi River, at an elevation ABOVE New Orleans.

9. Why does that problem occur at Red Eye Crossing?