

Directed Reading A continued

22. What effect does the speed a stream flows have on the size of the particles it's able to carry?

23. What effect does the size of the particles that make up a stream's load have on its erosive energy?

24. What is the difference between a bed load and a dissolved load?

25. What is a suspended load?

THE STAGES OF A RIVER

Write the letter of the correct answer in the space provided.

26. In the early 1900s, William Morris Davis developed a model for _____

a. measuring the gradients of rivers.

b. the folly of youth.

c. the wisdom of old age.

d. the stages of river development.

27. Although scientists today no longer use all of Davis's model of river development, what part is still used?

a. the climate

b. the gradient

c. the terms

d. the load

28. A quickly flowing river with a narrow channel that tumbles over many rocks is _____

a. a youthful river.

b. a mature river.

c. an old river.

d. a rejuvenated river.

29. A river with a wide channel and few falls and rapids, and that is fed by many tributaries is _____

a. a youthful river.

b. a mature river.

c. an old river.

d. a rejuvenated river.

Directed Reading A continued

30. The bends in a river's channel are called _____

a. terraces.

b. youths.

c. stages.

d. meanders.

31. A river with a wide, flat flood plain and many bends where it deposits much rock and soil is called _____

a. a youthful river.

b. a mature river.

c. an old river.

d. a rejuvenated river.

32. A river that is found where the land is raised by tectonic activity is _____

a. a youthful river.

b. a mature river.

c. an old river.

d. a rejuvenated river.

33. The steplike formations that often form on both sides of a stream valley as a result of rejuvenation are called _____

a. meanders.

b. terraces.

c. stages.

d. youths.

34. What is the difference between a youthful river and a mature river?

35. What is the result of an old river not having much erosive energy?

36. How does tectonic activity help make a rejuvenated river?
