



Pathfinder's Name

Rivers and Streams

1. What distinguishes the rivers and streams biome from other aqueous biomes?

2. Define the following terms:

a. River

b. Stream

c. Creek or Brook

d. Rivulet or Rill

e. Crick

f. Tributary

g. Mouth

h. Estuary

i. Headwater

j. Watershed

k. Continental Divide

l. Riffle

m. Rapids

n. Whitewater

o. Silt

p. Alluvium

q. Alluvial Fan

r. Detritus

s. Riparian

3. Explain three differences between the water at the head and at the mouth of a river. Give examples of some species found in each place.

Differences at the head

1. _____
2. _____
3. _____

Differences at the mouth

1. _____
2. _____
3. _____

4. Identify on a map the main rivers on your continent. Know at least five of their explorers. Read a story about one of the explorers.

Date completed _____

5. What is an oxbow lake? Describe how it is formed.

6. List at least five fish which live in a river or stream.

1. _____
2. _____
3. _____
4. _____
5. _____

7. List at least five plants which live in or along a river or stream.
1. _____
 2. _____
 3. _____
 4. _____
 5. _____
8. List at least five birds which live on or near a river.
1. _____
 2. _____
 3. _____
 4. _____
 5. _____
9. List at least five mammals which live in or along a river or stream.
1. _____
 2. _____
 3. _____
 4. _____
 5. _____
10. Write a report or present orally the story of an introduced plant or animal species in this biome. Include where it came from, the problems it causes and what steps are being taken to reduce/eliminate the damage.
- Date completed _____
11. Describe a species native to this biome which is threatened, endangered or extinct. Include some contributing causes.
- Date completed _____
12. Sing a song about a river or stream.
- Date completed _____
13. Read about the “River of Life” mentioned in the bible.
- Date completed _____

- 14.** Develop or read an object lesson about a river and present it at a pathfinder worship, children's story, or other acceptable event approved by a master guide.

Date completed _____

- 15.** Do at least two of the following activities related to rivers and streams:
- a. Photograph or draw the organisms found in samples of water you collected from a stream.
 - b. Walk along a stream and list the plants and animals you observe.
 - c. Visit a large waterfall or dam and explain what difficulty it presents for the wildlife.
 - d. Pick up trash along a river or stream.
 - e. Produce a 60 second commercial to inform an audience about something in this biome.

Date completed _____

Rivers and Streams, Advanced

- 1. Have the Rivers and Streams honor.

- 2. Spend at least one day in a river or stream habitat. Arrange for a service project to participate in (cleaning up, trail making, helping others learn about this specific habitat).
Date completed _____

- 3. Write a report about the following things (maps, photographs or drawings may help):
 - a. What river or stream did you visit?
 - b. When did you visit?
 - c. What did you do there?
 - d. Give information you learned about this type of habitat beyond what was learned in the basic honor.
 - e. **Give** information about the specific river or stream you visited.
 - f. Describe the service project you did (be specific).
 - g. What did you learn about yourself while doing the service project?
 - h. What did you learn about this habitat while doing this service project?Date completed _____