

NAME _____ DATE _____

Drawing Watershed Boundaries

1) Follow the procedure below to determine watershed boundaries:

a) Divide your study stream into at least 5 sections of equal length.

b) At each division, draw a line at right angles to the stream bed.

c) Follow each line you drew upslope, away from the streambed, until the elevation is at a maximum (use contour line readings). Mark this for both sides of the stream.

d) Put a point at the highest elevation above the headwaters.

e) Connect each of these "ridge" points, trying to stay on top of the ridges or areas of high ground, to outline the boundaries of the watershed.

2) What happens to the water that falls within those boundaries? _____

3) What happens to the water that falls outside those boundaries? _____

4) Is the slope of the land uniform throughout the watershed area? _____

5) What is the highest elevation in the watershed? _____

6) What is the lowest elevation in the watershed? _____

7) Where is the stream's velocity the greatest? _____

8) Is the area you outlined part of a larger watershed? _____

9) Where does the study stream go? Does it flow into a larger stream? Which one? _____
