

Module 107 - Hydrographs Activity Questions

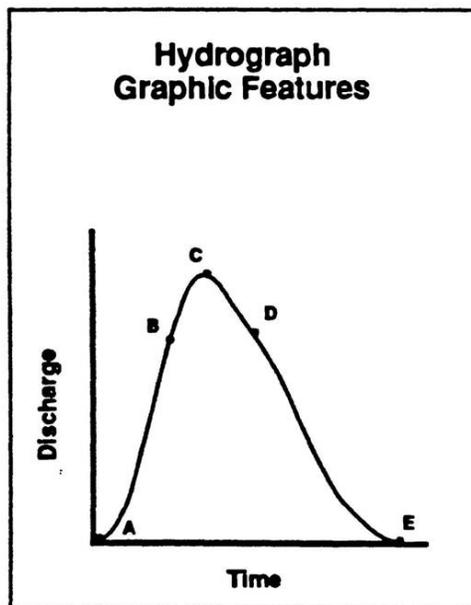
Activity 1

1. A hydrograph is a graph showing _____, _____
_____ or other properties of water flow with respect to time. When the
stage is plotted against time, the graph is a _____ hydrograph. When the discharge is
shown against time, the graph is a _____ hydrograph. The latter being the most
commonly used form, is simply called a _____.

2. List the various types of hydrographs.

- a. _____ hydrograph
- b. _____ hydrograph
- c. _____ hydrograph
- d. _____ hydrograph
- e. _____ hydrograph

3. Identify the various hydrograph components shown on the following hydrograph:



A. _____

B. _____

C. _____

D. _____

E. _____

A-C _____

C-E _____

B-D _____

A-E _____

ABCDEA _____

(Refer to pages 9-10 in Module 107 for Activity 1 solutions)

Activity 2

1 List five uses made of hydrographs in the SCS. (fill in the blanks)

a. _____ evaluations

b. Design of _____

c. Flood plain d Emergency _____

d. Emergency _____

e Farm _____

2 The primary purpose of using hydrograph analysis is to ensure a safe _____ of

structural works. Hydrographs are an integral part of SCS procedures in the _____

Program. Hydrographs, or some feature of them such as peak discharge, are used in the planning

and design of, _____ structures.

(Refer to page 14 in Module 107 for Activity 2 solutions)