

Name: \_\_\_\_\_

## Check Your Understanding: Levees

You are a Civil Engineer working for the Sacramento Area Flood Control Agency (SAFCA). Your boss has asked you to put together a 'Build-Your-Own-Levee' brochure designed to reach people who live in a flood plain (paper provided).



### Your brochure (with pictures and words) should include:

- simple language that the general public will understand
- a title that catches the attention of the reader (the general public)
- a brief description of what a levee is (its function and of what it is constructed) – PLEASE USE YOUR OWN WORDS
- a brief explanation of why someone living in Sacramento might need a levee
- pictures and words describing **your specific design** AND how levees are constructed
  - present your design
  - discuss the constraints that your levee design meets (see p.95 and p.96 for constraints)
  - explain why your design is a superior one
  - under a separate heading, discuss further design options to make your levee even better based on today's activity
- a description AND explanation of how levees fail, including at least two ways that failure might occur (see p.99-100)

### Here is the rubric I will be using to grade your brochure:

#### Levees Brochure Grading Rubric (10 pts possible)

General: (2½ pts)		How levees are constructed: (3½ pts)	
	Simple language for the general public - ½ pt		picture showing exact design - 1 pt
	Catchy title - ½ pt		words explaining design - 1 pt
	Above and beyond - ½ pt		discussion of how constructed - ½ pt
	Why levees are needed in Sacto - 1 pt		how your design meets the constraints - ½ pt
<b>General levee description:</b> (2½ pts)			how it is superior/ options to improve - ½ pt
	what a levee is - ½ pt	<b>At least two ways that levees fail:</b> (1½ pts)	
	used own words - ½ pt		term - 1 - ¼ pt
	the function of a levee - ½ pt		explanation 1 - ½ pt
	what a levee is constructed of - ½ pt		term - 2 - ¼ pt
	constraints a levee must meet in Sacto - ½ pt		explanation 2 - ½ pt

*Please slip this paper inside your brochure, do not staple it – that will create extra work for me!*