

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

## Does the Dam Pass or Fail? Worksheet **Answers**

1. Go to <http://pbs.org/wgbh/buildingbig/dam>. Research to complete the table below.

Dam	Completion date	Was the dam removed? If so, why? When?	Is the dam still standing?	What purpose(s) does/did the dam serve?
Aswan High Dam	1970	No	Yes	flood control, power supply, irrigation
Edwards Dam	1837	Yes environmental impacts; 1999	No	hydroelectric power supply
Folsom Dam	1956	No	Yes, with repair & design modifications	power supply, irrigation, recreation
Grand Coulee Dam	1942	No	Yes	flood control, power supply, irrigation
Hoover Dam	1936	No	Yes	power supply
Itaipu Dam	1991	No	Yes	hydroelectric power supply
South Fork Dam	1852	No, but it collapsed in 1889 because of poor maintenance	No	water supply, recreation
Three Gorges Dam	2011	No	Not completed yet	flood control, power, irrigation, navigation

2. Rank the reservoir capacities of the above dams, from smallest (1) to largest (8):

Dam	Reservoir Capacity (include units)	Ranking
Aswan High Dam	5.97 trillion ft <sup>3</sup>	8
Edwards Dam	740 million ft <sup>3</sup>	2
Folsom Dam	43.9 billion ft <sup>3</sup>	3
Grand Coulee Dam	421 billion ft <sup>3</sup>	4
Hoover Dam	1.24 trillion ft <sup>3</sup>	6
Itaipu Dam	1.02 trillion ft <sup>3</sup>	5
South Fork Dam	2.7 million ft <sup>3</sup>	1
Three Gorges Dam	1.39 trillion ft <sup>3</sup>	7

### 3. Bonus question:

Find information about one US dam that has been removed. On the back of this worksheet, write its name, river, state location, completion and removal dates, and reservoir capacity. Also describe its original purpose and reasons for removal, as well as anything else of interest to you about the dam. →