

Irrigation in the West: Assessment Page: Rubric Included

1. Draw a three panel illustration the progression of irrigation methods covered in the Wiki page activity.

-Be sure to include a description of the technology used by each group

Superior	Acceptable	Not Acceptable
Clearly shows each method in detail (includes river diversion canals for Hohokam, down gravity flow for acequias, and reservoir for U.S. govt. Shows a clear progression of size and scope from one group to the next. Includes depictions of technology utilized by each group	Shows each method in some detail- may omit a specific feature of one or two groups Progression is clearly evident, but lacks in either size or magnitude Should include technology descriptions of at least two groups	Missing detail of each groups methods, may even have assigned methods to incorrect groups Progression is not in evidence Technology descriptions are either incorrect or missing completely

2. Who faced a more difficult time in irrigating the Southwest, the prehistoric Hohokam or the U.S. government?

-Consider available technology versus size of the undertaking

-Look at why each group was irrigating survival versus expansion

Superior	Acceptable	Not Acceptable
Clearly shows knowledge of technology employed by group selected	Shows some knowledge of technology employed by group selected	Lacks knowledge of technology available
Clearly describes factors facing group: arid climate, technology limitations	Details some of the factors each group faced, but may omit some	Lacks knowledge of climate factors and technology factors facing group
Demonstrates knowledge of why irrigation was essential for each group – Hohokam-survival, U.S. -expansion	Shows a modest understanding for the need of irrigation	Does not demonstrate the groups need for irrigation

3. Explain how the process of irrigating the Southwest represents a global effort.

Superior	Acceptable	Not Acceptable
Gives particular focus to the efforts of the Spanish acequias system and its Arab origins, but also makes mention of how each successive group built upon the networks of its predecessors	Gives particular focus to the efforts of the Spanish acequias system and its Arab origins, but stops at this point	Fails to mention the influence the Arabs had on the Spanish Does not recognize the progression of irrigation from group to group

4. As technology improved so did the size and scope of irrigation. Therefore, what role did improving technology play in the growth of Southwestern population?

Superior	Acceptable	Not Acceptable
Clearly connects the growth of irrigation systems to the development of new technologies Provides descriptions of the progression from small canals made with stone tools, to larger canals made with metal tools and indigenous slaves, to the immense projects of the federal government taking advantage of modern machines and concrete	Somewhat shows a connection between expanding technology and greater irrigation systems- may not give a full description of progression and technologies contribution Provides some supporting evidence of how different technologies impacted size and scope	Does not demonstrate a clear connection between growth of technology and expansion or irrigation Lacks supporting evidence of technology available to each group

5. What are the lasting effects of irrigation on the American Southwest? How has irrigation impacted population growth? How are population growth, increased irrigation, and negative ecological results linked?

Superior	Acceptable	Not Acceptable
Clearly demonstrates an understanding that without irrigation the Southwest would be far less developed and settled. Explains that as population growth occurs the need for irrigation increases. Gives clear evidence that increased irrigation negatively affects the ecosystem, may make mention of shrinking Colorado Delta.	Shows some understanding of the value of irrigation in the Southwest, but does not lend enough credence to its critical role in permanent settlement Makes mention of a connection between population growth and irrigation, but fails to show a clear connection. Mentions that irrigation has impacted ecosystem, but fails to give details.	Does not demonstrate a clear connection between irrigation and population growth Does not recognize that irrigation has affected the ecosystem.