

SCIENCE OF THE JAMES

Video Comprehension Guide

Vocabulary: Matching

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| 1. Density | a. A long period of time with little or no rain. |
| 2. Salinity | b. The amount of mass or matter packed into a space. |
| 3. Drought | c. The bending of light as it passes through a material. |
| 4. Refraction | d. The amount of salt dissolved in water. |

Questions

1. What is a primary source? Give an example.
2. How did Gabriel Archer and George Percy describe the river the colonists encountered in May 1607?
3. Describe the relationship between the Powhatan people and the rivers in Tsenacommacah.
4. Compare George Percy's observations in May of 1607 with those in August. How did his tone change?

Questions, Continued.

5. In which region of Virginia is Jamestown found?
 - a. Piedmont
 - b. Blue Ridge
 - c. Coastal Plain

6. In your own words, describe what happened in Mary's experiment when the salt and fresh water came together.

7. How did Mary's experiment explain the vast differences in the colonist's experiences between May and August?

8. What instrument does Mary use to test the water at Jamestown? What does it measure?

9. How did the drought of 1607 affect the James River?

10. How do storm events like hurricanes and nor'easters affect water conditions at Jamestown?

11. How might the story of Jamestown have changed if the colonists had chosen to settle further up the river?