

**Main Ideas, Key Points,  
Questions:**

*After watching the video segment, write down key points, main ideas and big questions.*

**Objective(s):**

- *To plan an experiment using proper safety protocols.*
- *To explain what pH is and how it can be measured.*

**Notes:**

*During the video segment, use words, phrases or drawings to take notes.*

**Summary:**

*After watching the video segment, write at least three sentences explaining what you learned.  
You can ask yourself: "If I was going to explain this to someone else, what would I say?"*

**After watching the video and performing any associated labs and/or experiments, you should be able to answer the following:**

- 1. List two safety protocols that are important to follow in this experiment.**
- 2. Explain how to use a graduated cylinder to measure river water samples in this experiment.**
- 3. Write a list of the locations on the river where you plan to gather water samples:**
- 4. The pH scale includes numbers from zero to 14. Which numbers on the scale are considered ACIDS? Which numbers are considered BASES?**
- 5. What is special about the number 7 on the pH scale?**
- 6. Are you using a pH probe or pH indicators to measure pH in this experiment?**
- 7. Why did you make that choice?**