

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

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

**Objective(s):**

- *To distinguish “arguing from evidence” in science from everyday arguments.*
- *To analyze the evidence from an experiment to explain its meaning.*
- *To explain how all people can use the science and engineering practices in their careers and daily life.*

**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. How is “Arguing from Evidence” different from what we typically mean by the word “argument” in everyday language?**
- 2. What do people mean when they say “the evidence supports the hypothesis”?**
- 3. Scientists often say it is not a bad thing if your evidence does not support your hypothesis. Why not?**
- 4. How were attorneys involved in the Ogeechee River fish kill?**
- 5. According to Don Stack, one of the attorneys in this case, it is important for attorneys to have a good understanding of chemistry. List two reasons why this is true.**
- 6. List the eight Science and Engineering Practices that were covered during this video.**