

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

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

Objective(s):

- *To use IUPAC nomenclature for naming binary acids and oxyacids.*
- *To measure pH using litmus paper and natural indicators such as red cabbage juice.*

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. What rule is observed when naming a binary acid that does not contain oxygen?**
- 2. What is the name of the acid formed by HF?**
- 3. What rule is observed when naming an oxyacid that does have oxygen in its formula?**
- 4. What is the name of the acid formed by H_2SO_4 ?**
- 5. What is the name of the acid formed from H_2SO_3 ?**
- 6. Explain the steps necessary to make a natural pH indicator using red cabbage.**
- 7. Explain what litmus paper is.**

You will now carry out an investigation measuring the pH of six different common household substances using litmus paper and red cabbage juice. You will create a data chart with your results before continuing to the Unit 7H video.