**Pre-lab quiz: Buffering with weak acids**

1. What is the difference between strong and weak acids?
2. What is a buffer?
3. What qualities does an acid-base buffer need to possess?
4. Why are weak acids able to act as buffers?
5. Why is sodium acetate added to acetic acid to make a good buffer? What is the purpose of the salt?

6. What do you wish you could buffer in your real life?