ACTIVITY 25

Locker Check-Out

PROCEDURE

1. Open your Laboratory Locker and put on your safety goggles, your lab coat, and gloves.

2. Obtain from your instructor the Locker Check-Out Instructions.

3. Make sure that your Laboratory Locker has all of the equipment listed on the Locker Check-Out Instructions. Replace any missing or broken equipment as directed by your instructor. At the end of the semester you will receive a charge for the item or items from the Saddleback College Fiscal Office.

4. Remove all of the equipment from your Laboratory Locker. Make sure all equipment is clean and dry. There should be no residue in any test tubes (they can be cleaned with soap solution and a test tube brush) and no crystals in your crucibles (cleaned with soap solution and a test tube brush), although crucibles stained black are acceptable. Place each piece of your locker equipment on your laboratory bench in the exact order that it appears on the Locker Check-Out Instructions.

5. Remove the absorbant pad from the bottom of your Laboratory Locker. Wipe out the inside of the locker with a wet paper towel, and then reline the laboratory locker with new absorbant pad.

6. Remove one glove, and with your glove-free hand obtain a label from the front of the room. Write the combination of your lock on it, and stick it to the back of your lock. Leave the lock open and place it on the benchtop.

7. When you have completed steps 1-6, write your name and lab station number on the board and the instructor will come to your lab station to check you out of lab in the order that the names are written on the board. While you are waiting for the instructor, work on the Activity 25 Lab Report, which is on the back side of this page.

8. When the instructor comes to your lab station, the instructor will take your lock and and give you a new one, and then inspect your equipment and your Laboratory Locker. The instructor will then ask you to place all of the equipment back into your Laboratory Locker. The goggles and lab coat are yours to keep. When this is done, the instructor will watch you lock the Laboratory Locker closed with the new lock, and sign the Locker Inventory Sheet, officially checking you out of lab.

9. If you have not done so, complete the Activity 25 Lab Report. Turn it in to the instructor when you are finished.
1. Calculate the molarities of Ag$^+$ ions and CO$_3^{2-}$ ions in a saturated Ag$_2$CO$_3$ solution if the $K_{sp}$ of Ag$_2$CO$_3$ is $8.1 \times 10^{-12}$.

2. Calculate the $K_{sp}$ of Sr$_3$(PO$_4$)$_2$ if its molar solubility is $3.6 \times 10^{-7}$ M.