Notes for the Event Supervisor

1. In the copper series the following tubes were available to the students for viewing—they did not actually do the lab. I did the lab, washed the precipitates and set out about 8 sets of these 6 test tubes for observation. This is a great lab to actually do in class—most lab books have versions of it.

Tube 1: copper wire 0.5 g	tube 4: copper oxide (water above ppt)
Tube 2: copper nitrate solution	tube 5: copper sulfate solution
Tube 3: copper hydroxide (water above ppt)	tube 6: copper precipitated from above solution

2. In the molecular modeling, I created about 8 models and placed them around the room for students to observe. This was the first invitational in our area so I made this fairly simple to see if they could draw a model that included a double bond and write in the correct numbers of lone pairs.

3. For problem one and six you may use any diagram you wish with corresponding changes on the answer sheet. I have XeF_4 for problem #1 and ClF_3 for problem #6.