Lab #1: Lab Safety

Directions: Part 1. Use your knowledge of lab safety to answer the questions below.

1. Why must you wear safety glasses or goggles at all time while you are in the laboratory, even when you are not personally working on the experiment?

2. Reach each statement and place a “T” for true or “F” for false on the line next to the letter of the statement.
   a. ________ The laboratory is a good place for practical jokes.
   b. ________ Spilled chemicals should be wiped up immediately.
   c. ________ It is unnecessary to report minor laboratory accidents.
   d. ________ Performing experiments not assigned by the teacher is good creative procedures.
   e. ________ No chemical should ever be tasted.
   f. ________ Only the teacher needs to know the location of the first aid kit.
   g. ________ Only wear goggles if you want to look “cool” in lab.

Directions: Part 2. Look over the safety cartoon below and answer the questions that follow.
1a. List 5 **unsafe** activities shown in the safety cartoon:

1. ___________________________________________________________
2. ___________________________________________________________
3. ___________________________________________________________
4. ___________________________________________________________
5. ___________________________________________________________

1b. **Explain** why each of the above activities you listed is **unsafe**:

1. ___________________________________________________________
2. ___________________________________________________________
3. ___________________________________________________________
4. ___________________________________________________________
5. ___________________________________________________________

1c. **Turn & Talk:** Share your answers and explanations for **1a & 1b** with your partner. After discussing them, is there anything you want to add or change in your answers? Or will you keep them as they are? If there is anything you want to change for answers **1a & 1b** do so now.

2a. List 3 **safe** activities shown in the safety cartoon:

1. ___________________________________________________________
2. ___________________________________________________________
3. ___________________________________________________________

2b. **Explain** why each of the above activities you listed is **safe**:

1. ___________________________________________________________
2. ___________________________________________________________
3. ___________________________________________________________

2c. **Turn & Talk:** Share your answers and explanations for **2a & 2b** with your partner. After discussing them, is there anything you want to add or change in your answers? Or will you keep them as they are? If there is anything you want to change for answers **2a & 2b** do so now.

**Conclusion:** How do scientists perform experiments safely?