

Chemistry laboratory

1st quarter



Learning goals:

- Evaluates procedures and standards for experimental work safely.
- Prevents security risks in the search for solutions to problems.

Content: (week 1 to 3)

Unit 1. Safety regulations

Lab no 2: Preparation of laboratory report

Lab no 3: Identifying Materials in the Chemistry Laboratory

Unit 1. Safety regulations lab no. 1 – Safety Rules and Regulations

Applying previous knowledge:

- What is a norm?
- What is security?
- How can we achieve it in a Chemistry laboratory class?

New Concepts

- Rules
- Security
- Risks

Application: Explain in each case the reason for this rule.

A. General rules

1. Eat or drink in the lab.-----
2. Use a gown and always have it fastened well, so you will protect your clothes

3. Keep your outerwear and personal belongings in a closet or locker and never leave them on the work table. _____
4. Do not wear scarves, long scarves or clothing or objects that hinder your mobility. _____
5. Try not to walk from one place to another for no reason and, above all, do not run inside the laboratory. _____
6. If you have long hair, put it up. _____
7. Have on the table only the books and notebooks that are necessary. _____
8. Always keep your hands clean and dry. If you have any wounds, cover them. _____
9. Do not taste or ingest the products. _____
10. In the event of an accident, burn or injury, notify the teacher immediately. _____
11. Remember where the first aid kit is located. _____
12. Keep work area clean and tidy. _____
13. Wash your hands with soap after touching any chemical. _____
14. At the end of the practice, clean and order the material used. _____
15. Avoid contact with sources of heat and electricity _____
16. Do not handle flammable substances near them. _____
17. To hold glassware and remove it from the fire, use wooden tongs. When heating the test tubes with the help of these tweezers, try to give them a certain inclination. Never look directly into the tube through its opening or direct it towards a colleague. _____
18. Always look at the labels of the products that are going to be used or are close by and follow their instructions. _____
19. Use the fume hood when handling toxic substances by inhalation or highly flammable or volatile. The possible formation of substances of this type must also be anticipated when chemical reactions are carried out. _____
20. Do not pipette by sucking with the mouth (use bulbs or other devices designed for it). _____
21. Do not smell chemical products and do not handle products with your hands (use the appropriate utensils). _____
22. Leave your job when you feel discomfort and notify the teacher or when you come with some indisposition, in that case you do not lose your participation, the teacher will guide a replacement work _____
23. Take great care not to contaminate or contaminant products and solvents during handling. _____
24. Quickly pick up any spilled product. _____
25. Do not carry out experiments not foreseen in the scripts and ask the teacher if you have any doubts about those foreseen. _____
26. Do not enter regulated areas only for authorized personnel _____

If you are not complying with the dress requirements you should not do the practice
