

UNIT 4 BOOK EXERCICES

1a

- analyse data
- collect data
- experiment
- the question
- an experiment
- conclusions
- a hypothesis
- data

1b

- Collect data
- design an experiment
- Define the question
- form a hypothesis
- Analyse data
- conduct an experiment
- interpret data
- form a conclusion

2a

- Theoretical
- Field
- Internal
- Descriptive

- Quantitative

3f

- affects

- collecting

- data

- dependent

- independent

- controlled

5a

- First

-was

-Which

-Then

-at

-which

10a

-I was doing an titration lab experiment and the problem was it dint change color. The causes of this could be you dint add a specific liquid so it can turn to the color or, the concentration of the solvent is to high. Because the professor told me my mistake. I solved by doing the experiment all over again.

12b

- a

- b

-c

-c

-b

Assignment #2

The most important equipment has to be, Lab coat, glasses, shoes and long pants. This is in case any solvent drops on you, it won't hurt you it will just damage your clothes. A desiccator is important as well because it sucks the air out of a specific solvent, specifically an acid.

Assignment #3

- For this experiment I didn't have much predictions. The prediction was if I add a specific metal it would change colors. Back then I thought this wasn't true because I didn't know a lot about chemistry. Then the time for the experiment happened and like I said I thought it wasn't true. At first it wasn't changing colors but then the teacher brought out another solvent.

With this peculiar solvent, my teacher did the experiment. Immediately when she added one of the acids it changed to a yellowish color. Then I believed, I really didn't know this was possible. Then she did it again but with a blue color and just kept on going. Meaning, my prediction was right by I never thought it would work so I didn't have much faith. Later on she lied to us and told us it was just food coloring.