



WORKSHEET 26

School: Ba Sangam College

Year: 11

Subject: Chemistry

Name:

Strand	1 – General Chemistry
Sub strand	1.1 - Introduction To Chemistry
Content Learning Outcome	-Explore and discuss the study of Chemistry, its importance and the Career opportunities it offers.

Revision Exercises

FY11CE- 2015

1. Chemistry is often referred to as the central science because it links and contributes to most other sciences. Which of the following statements is incorrect about Chemistry?
- A. Chemistry has importance in everyday life.
B. Chemistry is a branch of physical science.
C. Chemistry is the study of matter and the changes it can undergo.
D. All the above statements are correct.

2. The knowledge gained through the study of Chemistry opens many career pathways.

(i) Name **two** careers that require knowledge of Chemistry.

(1 mark)

(ii) Give **two** example of a chemical based industry in Fiji.

(1 mark)

FY11CE- 2016

1. Laboratory safety rules need to be strictly followed. For the following laboratory safety rules, state why it has to be followed.

(i) Do not enter the laboratory until asked by the teacher.

(1 mark)

(ii) Eating or drinking is not permitted in the laboratory.

(1 mark)

FY11CE- 2017

1. Write the number of significant figures present in each of the following measurements.

(i) 6.02×10^3 m - _____

(ii) 200 g - _____

(1 mark)

2. Given in the table below are four different readings of the same amount of water in a measuring cylinder taken during a Chemistry class.

Reading	1	2	3	4
Volume of water	10.5 mL	11.4 mL	10.0 mL	9.80 mL

Calculate the average volume of water to the correct number of significant figures.

(2 marks)

FY11CE- 2018

1. Which of the following career is related to Chemistry?

- A. Auditor
- B. Pharmacist
- C. Economist
- D. Accountant

2. The correct number of significant figure(s) in 0.025 L is _____.

- A. 1
- B. 2
- C. 3
- D. 4

3. Laboratory safety rules are very important and need to be followed at all times when working in the laboratory.

Explain the importance of each safety rule given below.

(i) Always wear proper safety protection gears such as goggles, gloves, closed shoes, lab coats and nose masks when conducting hazardous experiment. **(1 mark)**

(ii) Keep flammable substances away from flame. **(1 mark)**

4. Observation is an important aspect during an experiment.

Define **observation**.

(1 mark)

5. State **one** way in which chemical-based industries contribute towards the development of Fiji.

(1 mark)

6. Perform the following and give your answer to the **correct** number of **significant figure(s)**.

$$45.59 - 5.3$$

(1 mark)

FY11CE- 2019

1. Chemistry can be described as the study of

- A. life and living organisms.
- B. the people and events of the past.
- C. the physical features of the earth and the atmosphere.
- D. matter and its interactions with other matter and energy.

(1 mark)

2. Which of the following measurements has 3 significant figures?

- A. 150
- B. 25.0
- C. 135.0
- D. 80.17

(1 mark)

3. State the importance of the following:

(a) Students must never play while working in the laboratory.

3.

(b) Rinsing all glassware well before use.

(1 mark)

(1 mark)