

YEAR 12 CHEMISTRY WORKSHEET 1- 2021

Strand 1: General Chemistry

1. Describe uncertainty in measurements.

2. Consider the experimental scenarios given below and answer the questions that follow.

Scenario A

During an experiment, a student obtained a weight of 10.52 g for a given sample of sodium carbonate, but the true weight was 12.52 g.

Scenario B

The same student weighed the same sample of sodium carbonate five times, and got 10.52 g each time.

- (i) State the scenario which shows that the measurement taken was precise.

- (ii) State the scenario which shows that the measurement taken was not accurate.

- (iii) State any one source of error for not obtaining the true weight of the sample.

Strand 2: Investigating Matter

1. Define electronegativity.

2. Draw the Lewis structures of the following molecules and state their shapes.

(i) H ₂ S	(ii) CCl ₄
Shape: _____	Shape: _____

The End