

**Chemistry**  
**Paper 1**  
**1 hours 45 minutes**



**CLEVERLAND HIGH SCHOOL-MAYA**  
**END OF TERM ONE EXAMS-2025**  
**SENIOR TWO**  
**CHEMISTRY**  
**PAPER ONE**

**Instructions**

- Attempt all items

**Item I**

Oxygen can be prepared on industrial scale by fractional distillation of liquid air. The government is considering setting up the oxygen manufacturing-plant in your locality with minimal dangers posed unto the environment.

As a senior two chemistry student, you have been invited by your LC1 chairperson to deliver a speech that you will deliver; emphasizing how the production processes will occur and the possible dangers the processes of production will impose on the environment and how they can be mitigated. (12 scores)

**Item II**

Climate change and its repercussions are a frontline conversation in the 21<sup>st</sup> century, evidenced by the recently conducted summits: the G7 and G77. It was noticed that some of the repercussions of climate changes were attributed to the air-pollutants released (emitted) to the atmosphere.

**Task**

You have been invited by the science club to deliver a speech about the common air pollutants, their environmental effects and how they can be mitigated. (15 scores)

### Item III

S.2 learners landed on a past with the data.

**Fig 1:** A table showing the different components of air by percentage composition.

Composition of air (%)	Component
0.97	Inert gases
Variable	Dust
0.003	
Variable	Water vapour
21%	
	nitrogen

### Task

- (a) Help learners; accurately fill the above table. (03 score)
- (b) Make a write-up of uses of the different components of air. (12 scores)

END

“IT’S WORTH SELAH”