**2024/2025 second term holiday project**

**Chemistry SS 2**

a. Define Redox reaction

b. Identify the oxidizing agent and reducing agent in the following equations:

i. 4Na + O2 → 2Na2O

ii 4H2 + O2 → 2H2O

c. What is the effect of pressure increase on the equilibrium equation above

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**Chemistry SS 1**

1. List the crystalline allotropes and the amorphous allotrope of carbon

2. Which crystalline allotrope of carbon is

i. a conductor of electricity

ii. a non conductor of electricity

Give your reason for your answers in i/ii above