

**HERITAGE GLOBAL ACADEMY**

2, Ola Iya close, Off Okiki Street, Isawo Road, Owutu Agric-Ikorodu, Lagos

**SECOND TERM EXAMINATION 2023/2024 SESSION**

**Subject: CHEMISTRY CHECKPOINT**

**Class: JSS 3** **Time: 30 mins**

**INSTRUCTION**: Answer any **TWO** questions in this section.

1. Given the following elements:

Copy and complete the table below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Protons | Electrons | Neutrons |
| 1. |  | 17 | 17 | 18 |
| 2. |  | 20 | 20 | 20 |

(6 marks)

(b) An element X, has two isotopes, and with relative abundances of 60% and 40%

respectively. Calculate the relative atomic mass of X. 65.4% (4 marks)SG

1. (a) Define the following terms:
2. Atomic number
3. Mass number
4. Isotopes
5. Isotopy (8 marks)

(b) Mention **FOUR** elements that exhibit isotopy. (2 marks)

1. (a) Define the following terms:
2. Exothermic reaction (2 marks)
3. Endothermic reaction (2 marks)

(b) Give **THREE** examples each of the reactions in (a) above. (6 marks)