

CHEMISTRY REVISION SHEET

A. ATOMIC STRUCTURE.

Fill in the blanks:

Use a relevant word from the word bank given to fill in the spaces provided for questions or statements 1 - 8. A word can be used once.

Word bank

Shells, neutron, nucleus, smallest particle, atom, negatively, positively, neutral, protons, mass number (A)

1. An element is a pure substance consisting of only one type of _____.
2. An atom is the _____ of an element.
3. The central part of an atom is called the _____
4. The central part of an atom consist of a proton and _____
5. Around the central part of an atom is the _____
6. Protons are _____ charge, electrons are _____ charge and neutrons are _____.
7. Atomic number (Z) refers to the number of _____ in an atom.
8. _____ refers to the number of protons and neutrons of an atom.

Using the Diagram provided below, match each statement in part A to the correct answer in Part B



PART A

9. The symbol of the element is 14
10. The atomic number of the atom is 8
11. The number of protons in the atom is C
12. The number of protons and neutrons is 6
13. The number of neutrons is 12

PART B

MULTIPLE CHOICE QUESTIONS

Circle the letter of the correct answer from the choices given for each question.

1. What happens to the current flow if one component in a series circuit fails?

- A. The current continues to flow through the other components.
- B. The current stops flowing through the entire circuit.
- C. The current increase
- D. The current reverses direction

2. How does the current flow through a parallel circuit when all components are functioning?

- A. Current is the same throughout all branches.
- B. Current varies across different branches
- C. Current is zero
- D. Current flows only through the largest component

3. How is voltage distributed across components in a series circuit?

- A. Voltage across each component is the same
- B. Voltage is divided among components based on their resistance
- C. All components get full voltage from the power source.
- D. Voltage is zero across all components.