

Class 10 Science

MCQ (Chapter-5)

1. How many elements are present in the modern periodic table?

- A.101
- B.112
- C.117
- D.118

Answer: (D)

2. Newland's rule known as _____

- A.Law of triads
- B.Law of Octaves
- C.Law of periodic table
- D.None of these

Answer: (B)

3. Newland's law of octaves is applicable up to _____

- A.Sodium
- B.Magnesium
- C.Calcium
- D.Sulphur

Answer: (C)

4. Mendeleev's periodic table is based on _____

- A.Atomic number
- B.Atomic weight
- C.Equivalent weight
- D.None of these

Answer :(B)

5. The two places left empty by Mendeleev in the periodic table are

- A. Aluminum and silicon**
- B. Gallium and germanium**
- C. Arsenic and antimony**
- D. Antimony and bismuth**

Answer : (D)

6. Modern periodic table is based on _____

- A. Atomic number**
- B. Atomic mass**
- C. Equivalent weight**
- D. Law of triads**

Answer: (A)

7. Upto which element, the law of octaves was found to be applicable?

- A. Oxygen**
- B. Calcium**
- C. Cobalt**
- D. Potassium**

Answer: (B)

8. An element which is an essential constituent of all organic compounds belongs to

- A. Group 1**
- B. Group 14**
- C. Group 15**
- D. Group 16**

Answer: (C)

9. Which of the following elements does not lose an electron easily?

- A. Na**
- B. F**
- C. Mg**
- D. Al**

Answer: (B)

10. Three elements B, Si and Ge are _____

- A. Metals**
- B. Non-metals**
- C. Metalloids**
- D. Metal, non-metal and metalloid respectively**

Answer : (C)

11. Which of the following elements will form an acidic oxide?

- A. An element with atomic number 7**
- B. An element with atomic number 3**
- C. An element with atomic number 12**
- D. An element with atomic number 19**

Answer : (A)

12. Which one of the following does not increase while moving down to group of the periodic table?

- A. Atomic radius**
- B. Metallic character**
- C. Valence**
- D. Number of shells in an element**

Answer: (C)

13. On moving from left to right in a period in the periodic table, the size of the atom

- A. increases**
- B. decreases**
- C. does not change appreciably**
- D. first decreases and then increases**

Answer :(B)

14. Which is not true about the noble gases?

- A. They are non metallic in nature**
- B. They exist in atomic form**
- C. They are radioactive in nature**
- D. Xenon is the most reactive among these**

Answer: (C)

15. Which of the following elements has maximum metallic character?

- A. Li**
- B. N**
- C. Na**
- D. P**

Answer:(C)

16. Which of the following is the most reactive halogen?

- A. F**
- B. Cl**
- C. Br**
- D. I**

Answer : (A)