

Periodic Table QUESTIONS

1) Modern periodic law had been given by-

- >Moseley
- >Mendeleev
- >Lothar Mayer
- >Lavoisier

Answer:

- >Moseley
-

2) Which one is known as father of periodic table-

- >Lavoisier
- >Rutherford
- >Mendeleev
- >Bohr

Answer:

- >Mendeleev
-

3) Which elements are arranged in increasing order of atomic weight every eighth element has properties similar to the first" This law had been given by-

- >Moseley
- >Dobereiner
- >Newland
- >Lothar-Mayer

Answer:

- >Newland
-

4) In modern period table the number of period is-

- >2
- >6
- >7
- >8

Answer:

>7

5) In modern periodic table the group number is-

- >15
- >16
- >17
- >18

Answer:

- >18
-
-

6) The vertical lines in modern periodic table are called-

- >Period
- >Group
- >Non-metal
- >None

Answer:

- >Group
-
-

7) The horizontal line in modern periodic table is called-

- >Period
- >Group
- >Metal
- >None

Answer:

- >Period
-
-

8) The elements in group zero are called-

- >Alkali metals
- >Transition metals
- >Inert gases
- >None

Answer:

- >Inert gases
-
-

9) The first attempt to classify elements was made by-

- >Mendeleev

- >New Land
- >Lothar Mayer
- >Dobereiner

Answer:

- >Mendeleev
-
-

10) The elements on the right side of the periodic table are-

- >Metals
- >Metalloids
- >Non-metals
- >Transition elements

Answer:

- >Non-metals
-
-

11) The first element of rare earth metal is-

- >Cerium
- >Actinium
- >Uranium
- >Lanthanum

Answer:

- >Cerium
-
-

12) The properties of elements of Mendeleev's periodic law were the periodic functions of their-

- >Atomic Number
- >Atomic Weight
- >Mass of the Atom
- >Shape of the atom

Answer:

- >Atomic Weight
-
-

13) The long form of periodic table was developed by-

- >Bohr
- >Menedeleev
- >Range and Werner
- >Rutherford

Answer:

>Range and Werner

14) The long form of periodic table is based on-

- >Electronegativity
- >Mass of the atom
- >Shape of the atom
- >Atomic number

Answer:

- >Atomic number
-

15) Modern periodic table is based on atomic number of the elements. The significance of atomic number was proved by the experiment of-

- >Moseley's work on X-ray spectra
- >Bragg's work on X-ray diffraction
- >Mulliken's oil drop experiment
- >Discovery of X-ray by Roentgen

Answer:

- >Moseley's work on X-ray spectra
-

16) In a period, the elements are arranged in the order of--

- >Constant charges in the nucleus
- >Equal charges in the nucleus
- >Decreasing charges in the nucleus
- >Increasing charges in the nucleus

Answer:

- >Increasing charges in the nucleus
-

17) All the elements in a group in the periodic table have the same-

- >Atomic weight
- >Same number of valence electrons
- >Atomic number
- >none of these

Answer:

- >Same number of valence electrons
-

18) Which of the following pairs of atomic numbers represent the element belonging to the same group ?

- >15 and 13
- >12 and 21
- >14 and 31
- >13 and 31

Answer:

- >13 and 31
-
-

19) The element that has the highest first ionization potential is --

- >Boron
- >Nitrogen
- >Oxygen
- >Carbon

Answer:

- >Nitrogen
-
-

20) The electron affinity of chlorine is highest than that of fluorine due to -

- >Its highest reactivity
- >Bigger size
- >Difference in their electronic configuration
- >smaller nuclear charge

Answer:

- >Bigger size
-
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