

VISWABHARATHI WISEWOODS

ATOMIC STRUCTURE - PRACTICE SHEET

GRADE : VIII – IX

SUBJECT : CHEMISTRY

I. Choose the correct answer :

- The Idea of 'Anu' and 'Paramanu' was introduced by ()
A) Democritus B) John Dalton
C) William Crookes D) Maharishi Kanada
- The first atomic theory was given by ()
A) Democritus B) John Dalton
C) William Crookes D) Maharishi Kanada
- The rays that come from the cathode are called _____. ()
A) Cathode rays B) Anode rays C) Alpha rays D) Sun rays
- The total number of important fundamental particles present in an atom is ____ ()
A) 5 B) 4 C) 3 D) 2
- The discharge tube experiment in which cathode rays are emitted has shown that ()
A) All Nuclei contain positive charge
B) All forms of matter contain electrons
C) Protons are positively charged
D) Mass of proton and that of Neutron are almost equal
- An atom is _____. ()
A) Positively charged B) Negatively charged
C) Neutral D) None of the above
- The mass of an electron is _____. ()
A) 1.6×10^{-19} C B) 9.1×10^{-31} kg C) 9.1×10^{-27} kg D) 9.1×10^{-31} gm
- The charge of an electron is _____. ()
A) 3.2×10^{-19} C B) 1.6×10^{-19} C C) 4.8×10^{-19} C D) None of these

9. The mass of an electron is about _____. ()
 A) 1840 times that of a hydrogen atom B) $\frac{1}{1837}$ times that of a hydrogen atom
 C) $\frac{1}{18}$ times that of a hydrogen atom D) 10 times that of a hydrogen atom
10. Cathod rays was discovered by ()
 A) Dalton B) Somerfield C) J J Thomson D) Stoney
11. The e/m ratio of an electron is _____. ()
 A) 1.6×10^{-19} c/g B) 1.78×10^8 c/g C) 1.48×10^9 c/g D) 9.1×10^{-27} g
12. The charge of an electron was determined by _____. ()
 A) Thomson B) Milikan C) Dalton D) Curie
13. Which of the following is / are characteristics of cathode rays? ()
 A) They travel in straight lines B) They are a stream of particles
 C) They are negatively charged D) All the above
14. Anode rays are also called as _____. ()
 A) Canal rays B) Positive rays C) Cathode rays D) Both A and B
15. How many electrons lost by hydrogen during formation of proton _____. ()
 A) 2 B) 1 C) 3 D) 4
16. The charge to mass ratio (e/m) of electron was determined by _____. ()
 A) Dalton B) Somerfield C) J J Thomson D) Stoney
17. Specific charge (e/m) of Anode rays depends on _____. ()
 A) Temperature B) Pressure
 C) Gas in discharge tube D) Depends on the Anode
18. The charge to mass (e/m) ratio of protons is _____. ()
 A) 9.55×10^{-4} c/g B) 9.55×10^4 c/g C) 1.76×10^8 c/g D) 1.76×10^{-8} c/g
19. Protons are denoted by the symbol. ()
 A) P^0 B) P^{-2} C) ${}_{+1}P^1$ D) ${}_{-1}e^0$
20. Anode rays were discovered by _____. ()
 A) Dalton B) Goldstein C) J J Thomson D) Milikan
