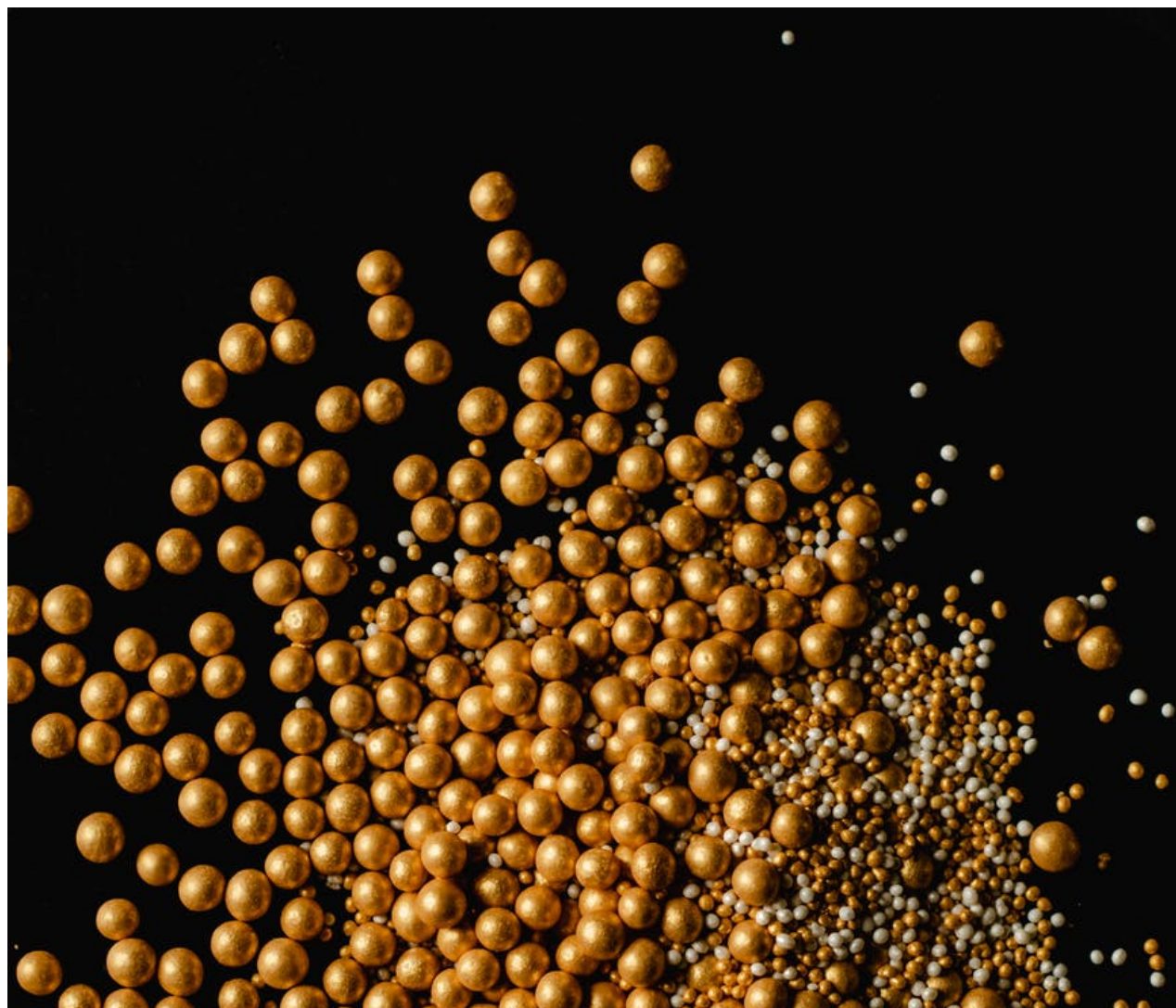
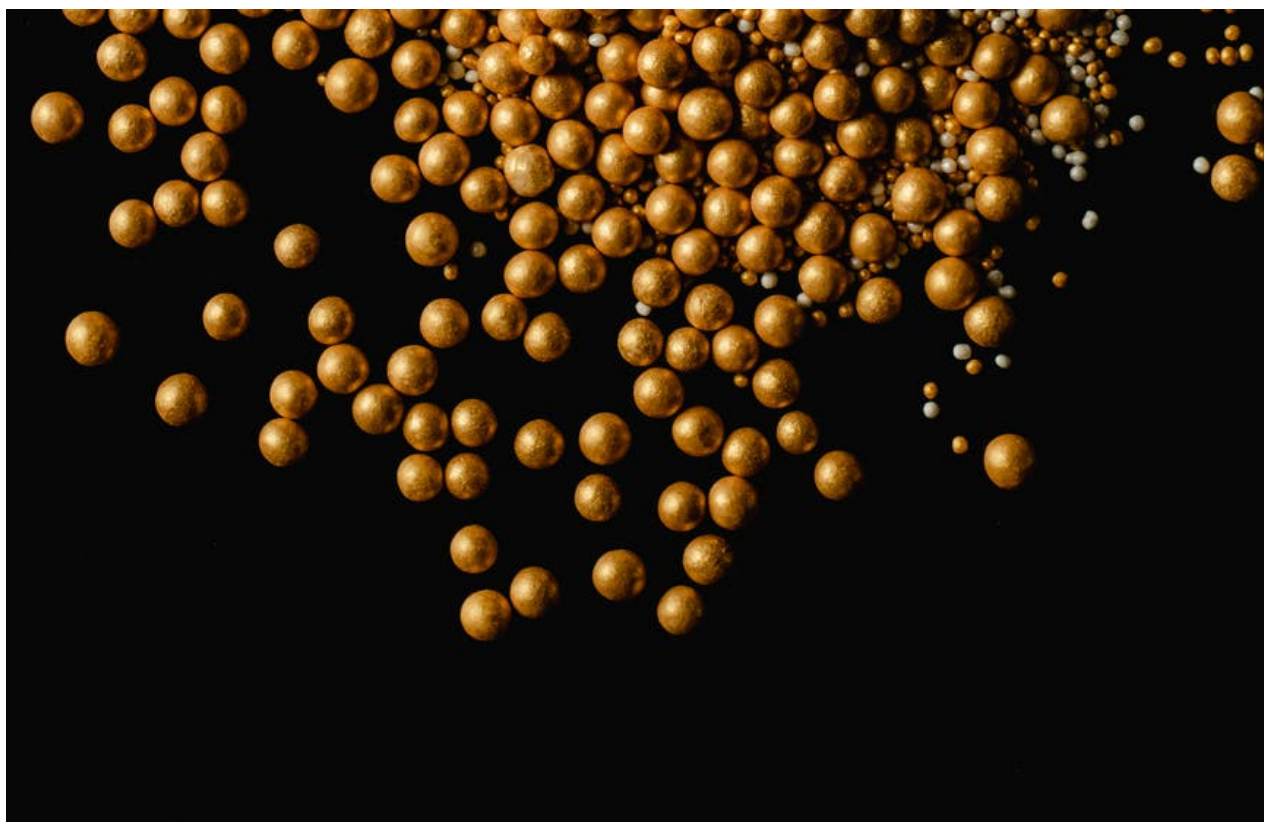




Priya's Learning Centre

Structure Of The Atom (Part 1)





Q.1: In 1886, E. Goldstein discovered the presence of new radiations in a gas discharge and called them _____.

- a) canal rays
- b) electrons
- c) atoms

Q.2: J. J. Thomson was awarded the Nobel Prize in Physics in 1906 for his discovery of _____.

- a) protons
- b) electrons
- c) neutrons

Q.3: _____'s atomic theory suggested that the atom was indivisible and indestructible.

- a) Dalton
- b) Thomson
- c) Rutherford

Q.4: Thomson's model of an atom proposed that _____.

- a) Atom consists of a positively charged sphere and electrons are embedded in it.
- b) Negative and positive charges are equal in magnitude, thus making atoms electrically neutral.
- c) Both 'a' and 'b'

Q.5: The mass of _____ is approximately 2000 times as that of the electron.

- a) proton
- b) neutron
- c) none

Q.6: The charge of an electron is _____.

- a) plus one
- b) one
- c) minus one

Q.7: _____ are doubly charged helium ions.

- a) protons
- b) molecules
- c) alpha particles

Q.8: _____ is known as the 'Father of nuclear physics'.

- a) E. Rutherford
- b) J. J. Thomson
- c) Neils Bohr

Q.9: E. Rutherford won the Nobel prize in chemistry in _____.

- a) 1937
- b) 1908
- c) 1924

Q.10: The positively charged centre in an atom is known as _____.

- a) particle
- b) neutron
- c) electron

Q.11: _____ has no charge and has mass nearly equal to that of a proton.

- a) neutron
- b) nucleus
- c) none

Q.12: _____ got a Nobel prize for his work on the structure of atom in 1922.

- a) J. J. Thomson
- b) Dalton
- c) Neils Bohr

Q.13: According to Bohr's model of atom, electrons revolving in _____ orbits do not radiate energy.

- a) discrete
- b) circular
- c) elongated

Q.14: Neutrons are present in nucleus of all atoms except _____.

- a) oxygen
- b) hydrogen
- c) nitrogen

Q.15: The sum of masses of protons and neutrons present in the nucleus gives the mass of an _____.

- a) particle
- b) electron
- c) atom

Answers:

1. a
2. b
3. a
4. c
5. a
6. c
7. c
8. a
9. b
10. b
11. a
12. c
13. b
14. b
15. c