

- 2) What is the maximum number of (electrons that can be accommodated in each of the orbits (shells) K, L, M, N, etc.?
- 3) Draw suitable diagrams to show the electronic configuration of the atoms of the following elements: Hydrogen, helium, carbon, neon, sodium, chlorine.

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4) State the uses of isotopes.

Q.4 : Solve any One of the following question.

- 1) Explain Rutherford's scattering experiment.
- 2) Write a note on Nuclear Reactor.

