



SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. What is the electron configuration of a chlorine atom (atomic number 17)? (2020)

- A. $1s^2 2s^2 2p^6 3s^2 3p^5$
- B. $1s^2 2s^2 2p^6 3s^2 3p^6$
- C. $1s^2 2s^2 2p^6 3s^2 3p^4$
- D. $1s^2 2s^2 2p^6 3s^2 3d^5$

Solution: The electron configuration of chlorine is $1s^2 2s^2 2p^6 3s^2 3p^5$, filling up to the 3p subshell.

Q2. What is the electron configuration of an oxygen atom? (2021)

- A. $1s^2 2s^2 2p^4$
- B. $1s^2 2s^2 2p^2$
- C. $1s^2 2s^2 2p^6$
- D. $1s^2 2s^2 2p^3$

Solution: Oxygen has 8 electrons, and its electron configuration is $1s^2 2s^2 2p^4$.



