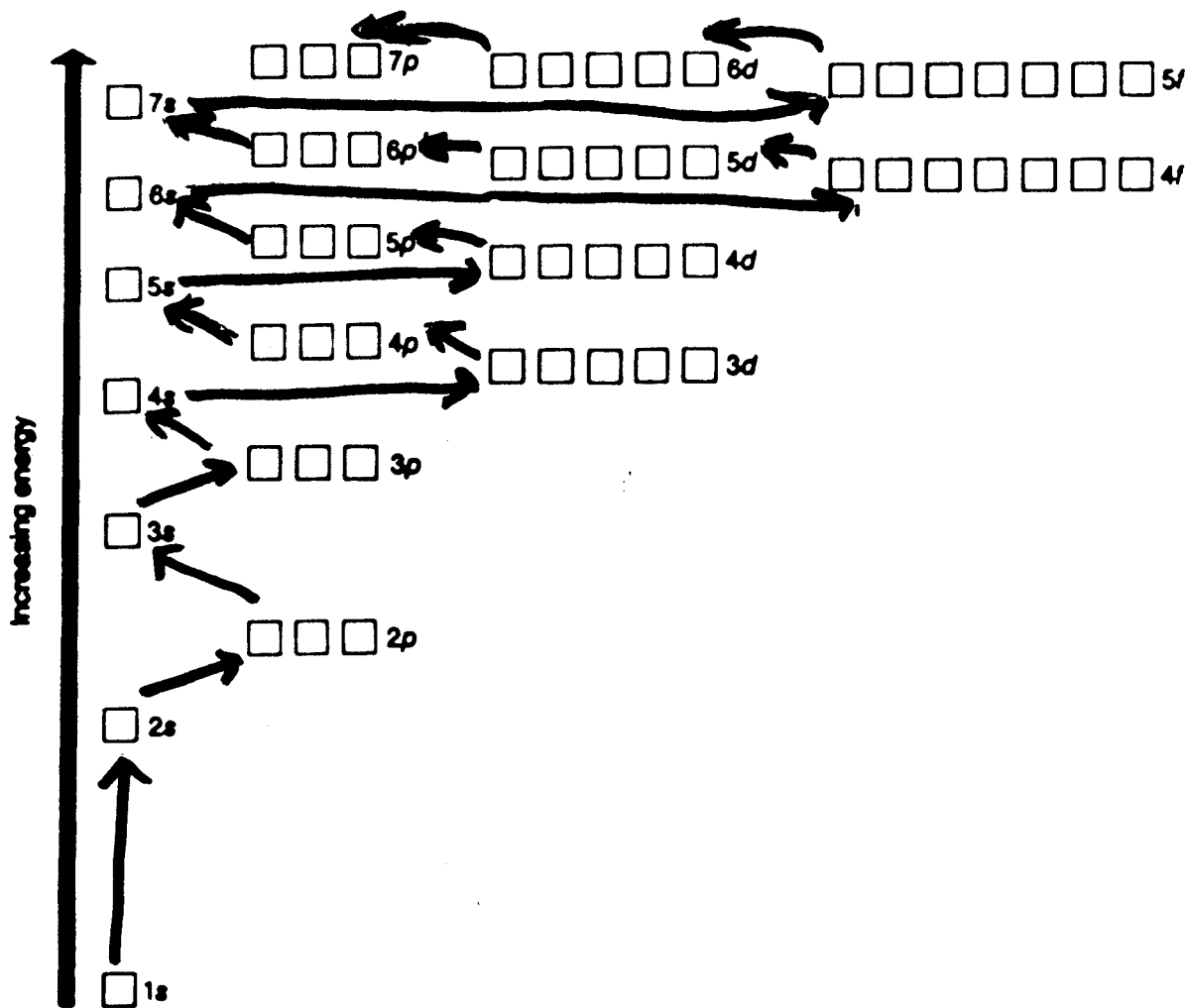


Aufbau Diagram



These three principles govern the filling of orbitals by electrons.

Aufbau principle: Electrons enter orbitals of lowest energy first.

Pauli exclusion principle: An atomic orbital contains a maximum of two electrons.

Hund's rule: When electrons occupy orbitals of equal energy, one electron enters each orbital until all the orbitals contain one electron with spins parallel.

ORDER :

1s/2s/2p/3s/3p/4s/3d/4p/5s/4d/5p/6s/4f/5d/6p/
7s/5f/6d/7p