

p. 136 #10-13
Worksheet

Unit 1 - Classification of Matter

- Types of matter
- Periodic table - trends, families, etc.
- Periodic law
- Elements
- Atoms
- Isotopes
- Ions
- Bohr Theory
- Quantum Mechanical Model
- Electron configurations



1e⁻
2e⁻
3p⁺
lithiumatom
Li

C Na

C, O₂

CO₂, NaCN

O₂, CO₂, NaCN

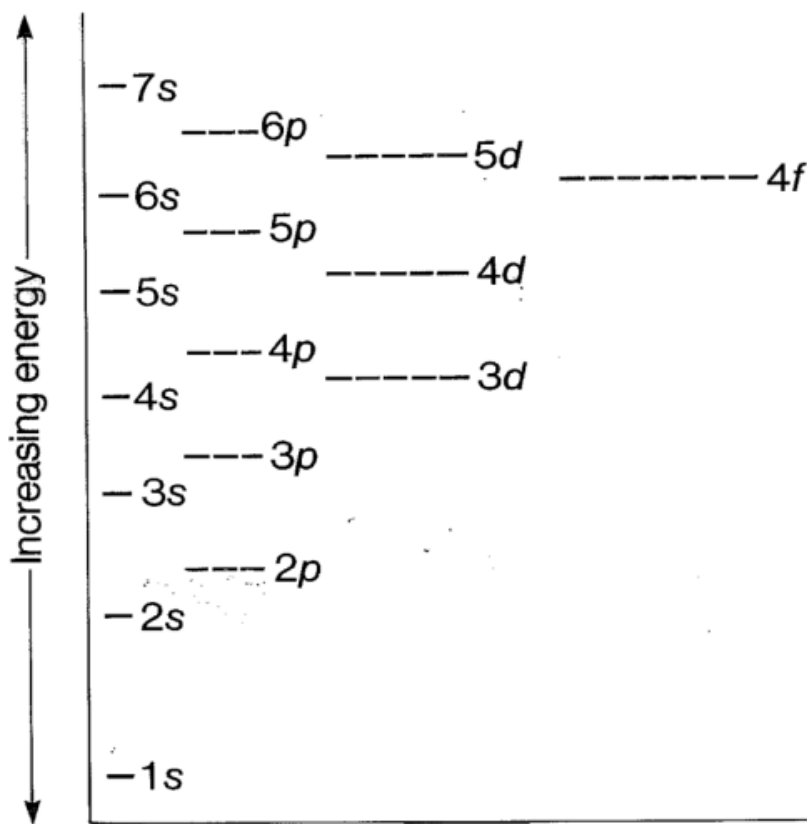
Isotope Name	Atomic Number	Mass Number	Symbol	# of Protons	# of Neutrons

C-12 98.9%

C-13 1.1%

$$(12.00)(0.989) + (13.00)(0.011)$$

Aufbau Diagram



Test Review

Ch. 4 p. 122-123 #34, 39-41, 44-57, 58, 60, 63-64,
65, 71-73

Ch. 5 p. 149-150 #23-39

Ch. 6 p. 181-182 #24, 26-35