

p. 136 #10-13
Worksheet

O₂

NaCl

S₈

Na

Unit 1 - Classification of Matter

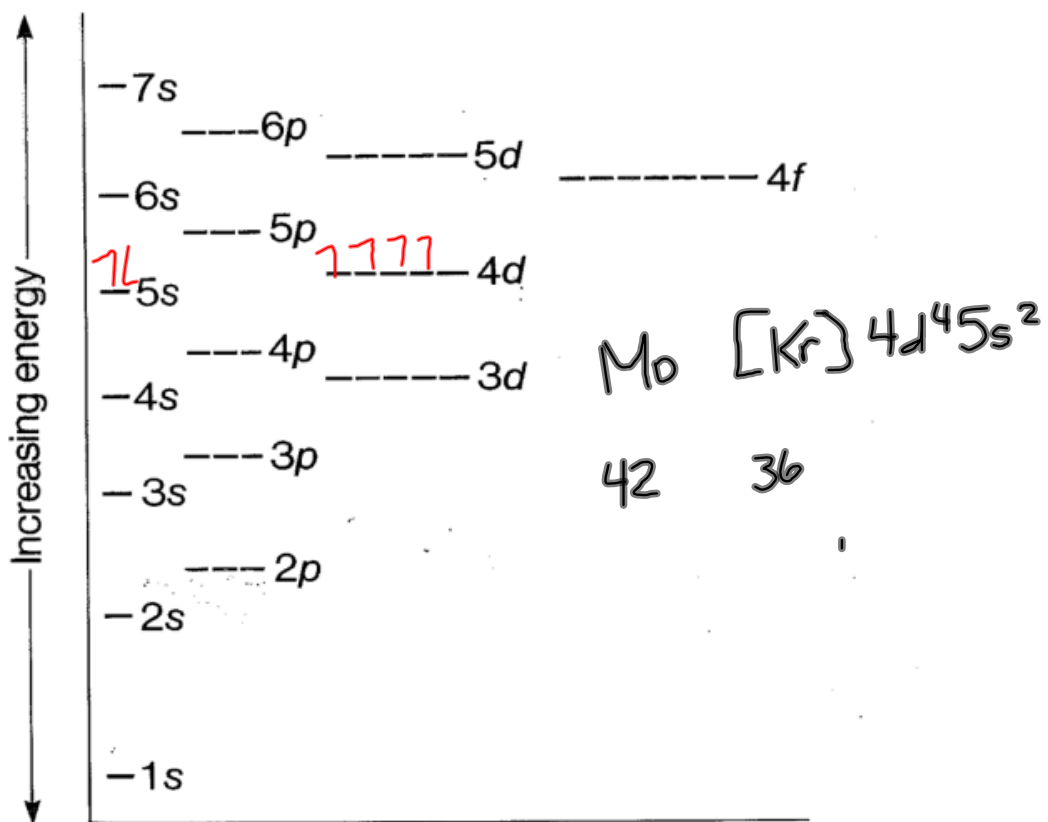
- Types of matter
- Periodic table - trends, families, etc.
- Periodic law
- Elements
- Atoms $\rightarrow \# p^+ = \# e^-$ atomic #
- Isotopes
- Ions
- Bohr Theory
- Quantum Mechanical Model
- Electron configurations

Isotope Name	Atomic Number	Mass Number	Symbol	# of Protons	# of Neutrons
Carbon-14	6	14	${}^{14}_6\text{C}$	6	8

name	symbol	p ⁺	e ⁻	gain/ lose	charge
silicon atom	Si	14	14	—	0
sulfide ion	S ²⁻	16	18	gain 2	2-

Name	Symbol	# of Protons	# of Neutrons	Gain or Lose?	Net Charge

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