

UNIT FIVE: THE PERIODIC TABLE

Learning Targets	Textbook Section:
5.1) Explain how chemists began to organize the known elements.	6.1
5.2) Describe how Mendeleev organized his periodic table.	6.1
5.3) Describe how the modern periodic table is organized.	6.1
5.4) Identify the three broad classes of elements.	6.2
5.5) List the types of information that can be displayed in a periodic table.	6.2
5.6) Classify elements based on electron configuration.	6.2
5.7) Describe trends among elements for atomic size.	6.3
5.8) Explain how ions form.	6.3
5.9) Describe periodic trends for the first ionization energy, electron affinity, atomic radius, and electronegativity.	6.3

Suggested Reading:

Chapter 6:

Section 6.1 (pages 160-1166)

Section 6.2 (pages 167-173)

Section 6.3 (pages 174-182)

End of Chapter Practice:

26, 27, 28, 29, 30, 31, 32, 34, 35, 38, 39, 41, 44, 45, 47, 48, 50, 51, 52, 54, 62, 67

