

## Chapter 5 The Periodic Table

**Section 5.2 The Modern Periodic Table****(pages 130–138)**

*This section explains the organization of the modern periodic table and discusses the general properties of metals, nonmetals, and metalloids.*

**Reading Strategy (page 130)**

**Previewing** Before you read, complete the table by writing two questions about the periodic table on pages 132–133. As you read, write answers to your questions. For more information on this reading strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

Questions About the Periodic Table	
Question	Answer

**The Periodic Law (pages 131–133)**

1. Is the following sentence true or false? In the modern periodic table, elements are arranged by increasing number of protons.  
\_\_\_\_\_
2. Explain why the number of elements per period varies. \_\_\_\_\_  
\_\_\_\_\_
3. Properties of elements repeat in a predictable way when atomic numbers are used to arrange elements into groups. This pattern of repeating properties is called the \_\_\_\_\_.

**Atomic Mass (page 134)**

4. Label the four types of information supplied for chlorine in the diagram.

a.	17
b.	Cl
c.	Chlorine
d.	35.453

- a. \_\_\_\_\_ b. \_\_\_\_\_  
c. \_\_\_\_\_ d. \_\_\_\_\_

## Section 5 2 The Modern Periodic Table Key

**Aaron T. Woland, Kevin Redmon**



## **Section 5 2 The Modern Periodic Table Key:**

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**CCNA ICND2 Network Simulator Lite**

minimum system requirements

Windows Minimum Windows 10 32 64 bit Windows 8 1 32 64 bit or Windows 7 32 64 bit 1 gigahertz GHz or faster 32 bit x86 or 64 bit x64 processor 1 gigabyte GB RAM 32 bit or 2 GB RAM 64 bit 16 GB available hard disk space 32 bit or 20 GB 64 bit DirectX 9 graphics device with WDDM 1.0 or higher driver Adobe Acrobat Reader version 8 and above Mac Minimum OS X 10.11.10 10.10.9 or 10.8 Intel core Duo 1.83 GHz 512 MB RAM 1 GB recommended 1.5 GB hard disk space 32 bit color depth at 1024x768 resolution Adobe Acrobat Reader version 8 and above

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