

**Elements and the Periodic Table** ▪ *Review and Reinforce***Nonmetals and Metalloids****Understanding Main Ideas**

Complete the following table. Use a periodic table for reference.

Element	Metal, Metalloid, or Nonmetal	Family Name
Arsenic	1.	
Sulfur	2.	
Tin	3.	
Neon	4.	
Chlorine	5.	
Silicon	6.	

Answer the following questions on a separate sheet of paper.

- Where in the periodic table are the nonmetals located? Where are the metalloids?
- What element is not grouped with others in a family? What is its usual atomic structure?

**Building Vocabulary**

Match each term with its definition by writing the letter of the correct definition in the right column on the line beside the term in the left column.

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|----------------------------|--|
| _____ 9. diatomic molecule | a. a type of element that has some of the characteristics of metals and some of nonmetals              |
| _____ 10. halogen          | b. a family of unreactive elements whose atoms do not gain, lose, or share valence electrons           |
| _____ 11. metalloid        | c. formed of two atoms   |
| _____ 12. noble gases      | d. a substance that carries electricity under certain circumstances, but not under other circumstances |
| _____ 13. nonmetal         | e. a type of element whose physical properties are generally opposite to that of metals                |
| _____ 14. semiconductor    | f. a family of very reactive elements whose atoms gain or share one electron                           |