

Assessment

Chapter 5 Practice Test

The Periodic Table

MULTIPLE CHOICE

Circle the letter of the best answer for each question.

1. What are most of the elements in the periodic table?
 - a. metals
 - b. metalloids
 - c. precious metals
 - d. nonmentals
2. How did Mendeleev group the elements?
 - a. by density
 - b. by melting point
 - c. by appearance
 - d. by increasing atomic mass
3. Mendeleev's pattern repeated after how many elements?
 - a. every seven elements
 - b. every three elements
 - c. every five elements
 - d. every two elements
4. How would you describe most metals?
 - a. They are easily shattered.
 - b. They are bad conductors of electric current.
 - c. They are dull.
 - d. They can be drawn into thin wires.

Chapter Test C *continued*

Circle the letter of the best answer for each question.

5. How many of the recently discovered elements follow periodic law?
 - a. none of them
 - b. every eighth element
 - c. all of them
 - d. half of them

6. What are the left-to-right rows on the periodic table?
 - a. periods
 - b. families
 - c. properties
 - d. groups

7. Which of the following is a property of alkali metals?
 - a. They are so hard they cannot be cut.
 - b. They are very reactive.
 - c. They are stored in water.
 - d. They have few uses.

8. When a halogen reacts with a metal, what is formed?
 - a. a salt
 - b. a compound
 - c. a nonmetal
 - d. an electron

9. What helps light bulbs last longer?
 - a. krypton
 - b. xenon
 - c. argon
 - d. neon

Chapter Test C *continued*

MATCHING

Read the description. Then, draw a line from the dot to the matching word.

- | | | |
|-------------------------------------|---|------------------|
| 10. group made up of six nonmetals | ● | a. semiconductor |
| 11. another name for metalloid | ● | b. mendelevium |
| 12. element named after a scientist | ● | c. noble gases |
| 13. element named after a state | ● | d. californium |
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- | | | |
|--|---|----------------|
| 14. word meaning “group” | ● | a. radioactive |
| 15. word describing actinides | ● | b. shiny |
| 16. word describing hydrogen | ● | c. colorless |
| 17. word describing most transition metals | ● | d. family |

Chapter Test C *continued***FILL-IN-THE-BLANK**

Read the words in the box. Read the sentences. **Fill in each blank** with the word or phrase that best completes the sentence.

aluminum	silicon	oxygen
carbon	hydrogen	

18. In the Boron Group, the most common element is _____
19. Proteins, fats, and _____ carbohydrates, which are compounds of are necessary for life on Earth.
20. Nitrogen and _____ can be combined to make ammonia.
21. Germanium and _____ are used to make computer chips.
22. A substance needs _____ to burn.