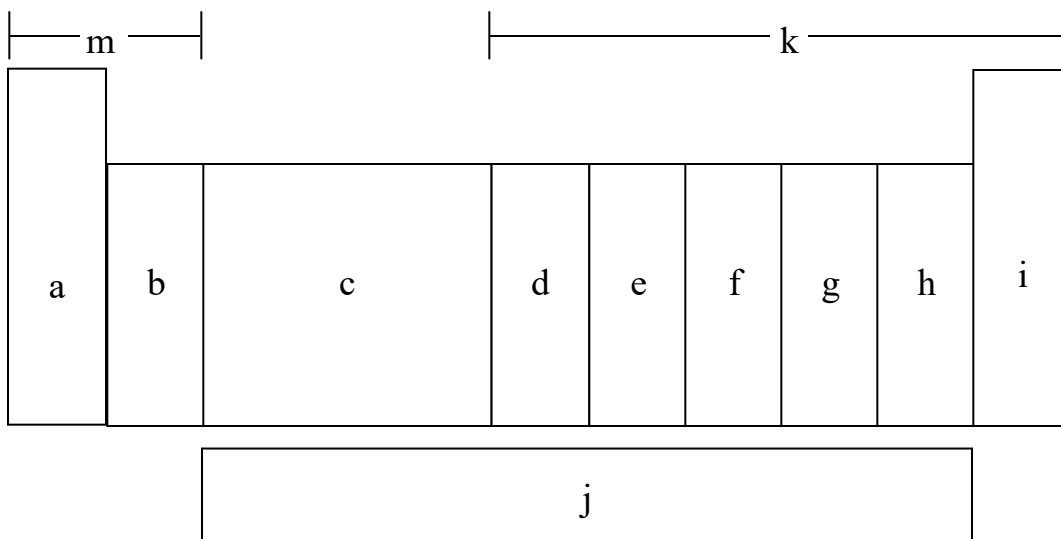


5-2 Review and Reinforcement

Reading the Periodic Table

On the line at the left, write the letter of the appropriate location of each group of elements on the periodic table below. Some letters will be used more than once.

- | | |
|----------------------------------|--|
| _____ 1. carbon family | _____ 8. f-block elements |
| _____ 2. alkaline earth metals | _____ 9. noble gases |
| _____ 3. inner transition metals | _____ 10. p-block elements |
| _____ 4. halogens | _____ 11. nitrogen family |
| _____ 5. d-block elements | _____ 12. s-block elements |
| _____ 6. oxygen group | _____ 13. transition metals |
| _____ 7. alkali metals | _____ 14. group of one semimetal and four metals |



Use the skills you developed in Section 5-2 to answer each of the following questions. Below is the abbreviated electron configuration for sodium. Explain each part of this configuration in the space provided.

- $[\text{Ne}] 3s^1$
15. _____
 16. _____
 17. _____
 18. _____

5-2 Review and Reinforcement (continued)

Identify each of the following elements as a metal (M), nonmetal (NM), or semimetal (SM).

- _____ 19. Sodium
- _____ 20. Silicon
- _____ 21. Neon
- _____ 22. Calcium
- _____ 23. Nitrogen

Write the family names that have been given to each of the following groups.

24. Group 1A _____

25. Group 2A _____

26. Group 7A _____

27. Group 8A _____

Answer each of the following questions in the space provided.

28. What information is contained in each of the 109 squares on the periodic table?

29. What properties distinguish metals from nonmetals?

30. What is an electron configuration, and what does it tell you about an element?

5 Periodic Table Puns

Use your imagination and Periodic Table to solve each pun!

Example: Five cents - Nickel, Ni

1. What you do in a play _____
2. What you do to a wrinkled shirt _____
3. "Tasty" part of your mouth _____
4. Someone who likes to start fires _____
5. Superman's weakness _____
6. Your brother or mine _____
7. Extinct _____
8. Imitation diamond _____
9. A type of flower _____
10. Las Vegas lights _____
11. Police _____
12. Golden State _____
13. Name of a goofy convict _____
14. Mr. Mony's enemy _____
15. What you do to flowers _____
16. What you did to ripped jeans _____
17. A "prize" element _____
18. A very smart person _____
19. Person from the Blue planet _____
20. A fur seller _____

5 Periodic Table Puns (continued)

1. Not an exciting person _____
2. Thanksgiving guests _____
3. Get clean with this _____
4. Drive away in style in a _____
5. Does a body good _____
6. Proud to be an _____
7. Mickey's pal _____
8. Warrior Princess _____
9. A nice guy _____
10. Someone who loves computers _____
11. The first person in a race has the _____
12. $E = mc^2$ _____
13. This man followed the yellow brick road _____
14. How to tell a secret _____
15. Monday night TV show _____
16. A phrase from Dr. Seuss _____
17. What a Dr does to his patients _____
18. Part of a whole _____
19. Place for washing dishes _____
20. Drink in an Al can _____
21. When you lasso a horse you _____
22. What a dog does with a bone _____
23. A sinking ship _____
24. What a cloud does _____