

10.1 Periodic Trends



10.1 PERIODIC TRENDS: FROM CONCEPT TO APPLICATION

Section 10.1: Introduction

In your notebook, read aloud the modern periodic table.

Copy the information in the box on the left below from the periodic table to complete the table on the right.

Atomic Mass	_____
Atomic Number	_____
Electron Configuration	_____
Chemical Name	_____
Chemical Symbol	_____

Put each item in Column A, either the letter of the matching item in Column B.

Column A

- _____ 16. It varies on the periodic table.
- _____ 17. It has no fixed periodic table.
- _____ 18. Group 1 elements.
- _____ 19. Elements that are strong oxidizing agents.
- _____ 20. Group 17 elements.

Column B

- a. metals
- b. group
- c. period
- d. representative elements
- e. transition elements

In the space on the left, write one of the statements in terms of the statement in italics, change the underlined word or phrase to make it true.

- _____ 21. There are two representative elements of elements.
- _____ 22. Most elements have fixed of the elements in the periodic table are metals.
- _____ 23. Group 1A elements except for hydrogen are metals in the solid state.
- _____ 24. Group 2A elements are the alkaline earth metals.
- _____ 25. Group 7A elements are highly reactive nonmetals known as halogens.
- _____ 26. Group 8A elements are inert nonmetallic elements known as noble gases.
- _____ 27. Alkaloids have properties of both metals and nonmetals.

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