

10.1 Periodic Trends



PERIODIC TRENDS: FROM CONCEPT TO PRACTICE

Section 10.1 continued

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.

_____	19
_____	20
_____	Aluminum
_____	14-18
_____	Transition?

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

- _____ 19. It exists in the periodic table.
- _____ 20. It does not lie periodic table.
- _____ 21. Group 1 elements
- _____ 22. Elements that are strong oxidizing agents.
- _____ 23. 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.

- _____ 24. There are two representative elements of elements.
- _____ 25. Most elements lie in the periodic table are metals.
- _____ 26. Group 1A elements except for hydrogen are metals in the solid state.
- _____ 27. Group 2A elements are the alkaline earth metals.
- _____ 28. Group 7A elements are highly reactive nonmetals known as halogens.
- _____ 29. Group 8A elements are inert nonmetallic elements known as noble gases.
- _____ 30. Alkaloids have properties of both metals and nonmetals.

Study Guide For Content Mastery Seafloor

F Rizvi



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Resources for Teaching Middle School Science Smithsonian Institution, National Academy of Engineering, National Science Resources Center of the National Academy of Sciences, Institute of Medicine, 1998-04-30 With age appropriate inquiry centered curriculum materials and sound teaching practices middle school science can capture the interest and energy of adolescent students and expand their understanding of the world around them *Resources for Teaching Middle School Science* developed by the National Science Resources Center NSRC is a valuable tool for identifying and selecting effective science curriculum materials that will engage students in grades 6 through 8 The volume describes more than 400 curriculum titles that are aligned with the National Science Education Standards This completely new guide follows on the success of *Resources for Teaching Elementary School Science* the first in the NSRC series of annotated guides to hands on inquiry centered curriculum materials and other resources for science teachers The curriculum materials in the new guide are grouped in five chapters by scientific area Physical Science Life Science Environmental Science Earth and Space Science and Multidisciplinary and Applied Science They are also grouped by type core materials supplementary units and science activity books Each annotation of curriculum material includes a recommended grade level a description of the activities involved and of what students can be expected to learn a list of accompanying materials a reading level and ordering information The curriculum materials included in this book were selected by panels of teachers and scientists using evaluation criteria developed for the guide The criteria reflect and incorporate goals and principles of the National Science Education Standards The annotations designate the specific content standards on which these curriculum pieces focus In addition to the curriculum chapters the guide contains six chapters of diverse resources that are directly relevant to middle school science Among these is a chapter on educational software and multimedia programs chapters on books about science and teaching directories and guides to science trade books and periodicals for teachers and students Another section features institutional resources One chapter lists about 600 science centers museums and zoos where teachers can take middle school students for interactive science experiences Another chapter describes nearly 140 professional associations and U S government agencies that offer resources and assistance Authoritative extensive and thoroughly indexed and the only guide of its kind *Resources for Teaching Middle School Science* will be the most used book on the shelf for science teachers school administrators teacher trainers science curriculum specialists advocates of hands on science teaching and concerned parents Earth's Surface: Teacher's ed ,2005 **The State of Ocean and Marine Science** United States.

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