

GRAPHING TRENDS OF THE PERIODIC TABLE

CHEMISTRY

NAME: _____

DATE: _____

PERIOD: _____ Graphing Periodic Table Trends

Directions: Using the provided graph paper, graph each of the elemental properties using a line graph. Place the property on the Y-axis and the Atomic number on the X-axis. Draw a dark, solid, vertical line on each graph where each row on the periodic table ends. (i.e. after atomic number 20). Use the graphs to analyze the trends in these properties and to answer the questions on the back.

Atomic Radius (pm)							
Lithium - 3	152	Sodium - 11	190	Potassium - 19	243	Rubidium - 27	295
Beryllium - 4	112	Magnesium - 12	145	Calcium - 20	194	Strontium - 28	219
Boron - 5	87	Aluminum - 13	175	Gallium - 31	136	Indium - 40	156
Carbon - 6	67	Silicon - 14	111	Germanium - 32	125	Tin - 50	145
Nitrogen - 7	56	Phosphorus - 15	98	Arsenic - 33	114	Antimony - 51	133
Oxygen - 8	48	Sulfur - 16	88	Selenium - 34	103	Tellurium - 52	123
Fluorine - 9	42	Chlorine - 17	79	Bromine - 35	94	Iodine - 53	119

Ionization Energy (kJ/mol)							
Lithium - 3	520	Sodium - 11	496	Potassium - 19	419	Rubidium - 27	403
Beryllium - 4	900	Magnesium - 12	738	Calcium - 20	590	Strontium - 28	550

Atomic Radius



Graphing Lab Periodic Trends Answer Key

ML Morrison



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Laboratory Manual Jo A. Beran,1990 **The Science Teachers Bulletin** ,1989 **Comprehensive Chemistry XI** ,
Microscale General Chemistry Laboratory Zvi Szafran,Ronald M. Pike,Judith C. Foster,2012-04-13 In the past two decades microscale techniques have soared in popularity because these techniques minimize exposure to potentially dangerous chemicals in the lab drastically cut the amount of chemical waste lower costs and reduce risks of chemical fires and explosions The result is a safer and healthier laboratory environment Now with *Microscale General Chemistry Laboratory with Selected Macroscale Experiments Second Edition* you can bring these techniques into your own chemistry lab Thoroughly revised with updated experiments the new Second Edition continues to offer a large variety of well designed easy to follow experiments as well as thorough background information and an outstanding selection of questions and problems **Prentice Hall Chemistry** ,2000 **Prentice Hall Science Explorer** Michael J. Padilla,2002 *Plating and Surface Finishing* ,2000 **ERDA Energy Research Abstracts** United States. Energy Research and Development Administration,1976 **Applied Mechanics Reviews** ,1996 ERDA Energy Research Abstracts United States. Energy Research and Development Administration. Technical Information Center,1976 The Software Encyclopedia 2001 ,2001
The World of Chemistry Jones,Jones Staff,1996 **CODES 2002** ,2002 *The Trend in Engineering at the University of Washington* ,1961 **Project Management for Education** Walter Ginevri,Bernie Trilling,2018-01-19 This unique book is for two audiences Read one way it is for educators flip it over and read the other way it is for project managers Project based learning PBL a set of engaging and powerful learning methods organized around motivating projects is one of the most popular ways to bring the skills used by project management into students educational experience giving them amazing opportunities to develop the essential 21st century competencies they need In *Project Management for Education The Bridge to 21st Century Learning* authors Bernie Trilling and Walter Ginevri provide a two in one guide for educators and project management professionals demonstrating how the two fields can work together By teaming up to enrich the experience of students both educators and project management professionals can continue to develop their own skills and better meet the challenges they face in our ever changing world *Proceedings of the ... International Symposium on Hardware/Software Codesign* ,2002 **Government Reports Announcements & Index** ,1988 *Index to Scientific & Technical Proceedings* ,1979-07 Monthly with annual cumulation Published conference literature useful both as current awareness and retrospective tools that allow searching by authors of individual papers as well as by editors Includes proceedings in all formats i e books reports journal issues etc Complete bibliographical information for each conference proceedings appears in section titled Contents of proceedings with accompanying category permuterm subject sponsor author editor meeting location and corporate indexes Contains abbreviations used in organizational and geographical names **Electrical & Electronics Abstracts** ,1997 **Merrill Chemistry** Robert C. Smoot,Smoot,Richard G. Smith,Jack Price,1998

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