

PERIODIC TABLE PRESENTATION & CLOZE NOTES

PERIODIC TABLE ELEMENTS

What is the Periodic Table?
The periodic table is a way to display all the known elements.

What are Elements?
An element is a substance that cannot be broken down into simpler substances by chemical means.

Examples of Elements
Gold, Silver, Iron, Copper, etc.

What are element Symbols?
It is the chemical symbol for Hydrogen.

How do elements get their Symbols?

- Symbols come from the names of the elements, many from the Latin name of the element.
- The chemical symbol can be one or two letters.
- The first letter is capital and the second is lower case.

Let's review Atoms.
An atom is the smallest part of an element that has all the properties of the element.

What can you learn about atoms from the Periodic Table?

- To find the number of protons in one atom of an element, look at the atomic number.

What is the Atomic Number?
Atomic number represents the number of protons.

Period Example

- Sodium, magnesium, aluminum, silicon, sulfur, phosphorus, chlorine, and argon are found in the same period.
- They are in the same row.
- They all have the same number of electron shells.

Group Example

- Lithium, sodium, potassium, rubidium, cesium, and francium are found in the same group.
- They have similar properties because they have the same number of valence electrons.
- These elements are in the same column.

What is the Atomic Mass?
Atomic mass is the sum of the number of protons and neutrons in an atom.

Periodic Table Quick Facts

- The word "periodic" means repeating a pattern.
- Mendeleev observed that elements with similar properties occurred periodically.
- He was the first to group elements in periods (rows) and groups (columns) by their characteristics.
- Elements in the same group have similar properties.
- Elements in the same period have the same number of electron shells.

Element Periodic Table Cloze

Roman Wölfel

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

Element Periodic Table Cloze:

Language and Literacy in Science Education Jerry Wellington, Jonathan Osborne, 2001-03-16 Science in secondary schools has tended to be viewed mainly as a practical subject and language and literacy in science education have been neglected But learning the language of science is a major part of science education every science lesson is a language lesson and language is a major barrier to most school students in learning science This accessible book explores the main difficulties in the language of science and examines practical ways to aid students in retaining understanding reading speaking and writing scientific language Jerry Wellington and Jonathan Osborne draw together and synthesize current good practice thinking and research in this field They use many practical examples illustrations and tried and tested materials to exemplify principles and to provide guidelines in developing language and literacy in the learning of science They also consider the impact that the growing use of information and communications technology has had and will have on writing reading and information handling in science lessons The authors argue that paying more attention to language in science classrooms is one of the most important acts in improving the quality of science education This is a significant and very readable book for all student and practising secondary school science teachers for science advisers and school mentors

The Essential Guide to RTI Silvia L. DeRuvo, 2010-08-13 A practical hands on guide that helps teachers fulfill the promise of RTI Filled with practical tools and step by step guidelines this book shows teachers how to implement RTI effectively This valuable resource helps teachers assess a school s or classroom s readiness to begin the implementation process and offers extensive resources to help educators identify appropriate screening and progress monitoring tools for students DeRuvo provides dozens of effective research based interventions and instructional strategies that teachers can implement immediately in their classrooms and offers guidelines for selecting additional curricula and strategies to support students with diverse needs Includes easy and efficient progress monitoring strategies to measure RTI effectiveness Written by veteran educator and active teacher trainer Silva DeRuvo Provides helpful advice for effective collaboration between teachers The book includes strategies for joint curriculum mapping as well as for measuring student mastery of identified content area standards

Classroom Assessment Steven R. Banks, 2012-04-13 Building on the success of the popular first edition the author tackles the latest issues and practices in the field of classroom assessment The No Child Left Behind Act has transformed the role of educational assessment requiring annual assessments as part of a federal system of educational accountability National accreditation organizations such NCATE have mandated standards based performance and emphasized specific assessment benchmarks in meeting these standards The inclusion movement to accommodate special needs students in the regular education classroom also has impacted classroom assessment practices Teacher assessment classroom environment test anxiety the Race to the Top grants and many more timely topics receive comprehensive yet accessible treatment Banks provides thorough and well documented discussions of performance assessment essay and

multiple choice assessments formative assessment and reliability validity issues as well as invaluable classroom assessment tools that include portfolios rubrics journals and models such as Anderson and Krathwohls revision of Blooms Taxonomy Gender and diversity issues including learning differences and socioeconomic influences on student achievement are given in depth coverage Outstanding features include case studies point counterpoint debates on controversial assessment topics and practices teacher application exercises thought provoking self assessment exercises and end of chapter activities that include review questions and opportunities for directed learning

Personal Computing, 1985 Adding English Elizabeth Coelho, 2004 A comprehensive source of ideas and advice for enhancing the learning of all students in all subject areas and at all grade levels

Science Richard Moyer, 2000 For grades 1-6 Multidimensional Translation, from Science to the Arts Lina Abraitienė, Žanna Daragane, 2022-10-27 This volume brings together diverse perspectives on issues connected with translation Translation is a communication tool that offers a bridge to other cultures and mentalities in this time of rapid changes and different challenges As a cultural activity it can be approached from different standpoints ranging from the scientific to the artistic This book provides studies of the phenomenon from the perspectives of literary translation interpreting idiom translation and translation method as a foreign language method All contributors to the text work as professional translators which makes their experience invaluable for fellow practitioners

Inclusion Strategies That Work for Adolescent Learners! Toby J. Karten, 2009-03-17 Help adolescent learners in inclusive environments develop strong academic emotional and social skills for successful post secondary options with lesson plans that focus on success and maximize students strengths interests and potentials Inclusion Strategies That Work for Adolescent Learners provides teachers with guidelines for scheduling preparation student educator responsibilities family community supports appropriate accommodations literacy and numeration strategies interdisciplinary approaches and more The author investigates inclusive strategies through reflective activities and pragmatic classroom applications that highlight productivity with evidence based practices for all learners

Inclusive Education for the 21st Century Linda Graham, 2020-07-16 Placing a student on the autism spectrum in a busy classroom with a pair of noise cancelling headphones and an aide to deal with the inevitable meltdowns is often done in the name of inclusion but this is integration and not inclusive How can teachers and schools create genuinely inclusive classrooms that meet the needs of every student Research evidence indicates the strategies that make schools inclusive for students with disability benefit all students Yet many schools are still operating under twentieth century models that disadvantage students especially those with disability Inclusive Education for the 21st Century provides a rigorous overview of the foundational principles of inclusive education and the barriers to access and participation It explores evidence based strategies to support diverse learners including specific changes in curriculum pedagogy and assessment practices and the use of data It addresses the needs of children with physical sensory and intellectual disabilities as well as those with complex learning profiles including mental health issues With chapters from leading experts from

Australia and the UK Inclusive Education for the 21st Century addresses common issues in both primary and secondary schools Underpinned throughout by research evidence it is designed to assist educators to develop the deep knowledge required to make inclusive education a reality in all schools Current Index to Journals in Education ,1979-07 The software catalog microcomputers Menu (Firm) (Fort Collins, Colo.),1989 *The School Science Review* ,2002 Datapro Directory of Microcomputer Software ,1998 **The Periodic Table** Adrian Dingle,Dan Green,2014 The original Basher Science made even better **The Periodic Table in Minutes** Dan Green,2016-09-06 An icon of science the Periodic Table defines the fundamental chemistry of everything in the universe In this compact yet comprehensive guide Dan Green outlines the history development and workings of the table shows how its design reflects and illuminates the organisation of all matter and even explains what it has to tell us about the chemistry of distant stars and of our own bodies Contents include an individual entry for every known element detailing properties uses and key data and sections on the patterns and groups of the famous table as well as explanations of basic chemistry concepts such as elements and compounds atomic structure chemical bonds reactions and radioactivity amongst many others *Assessment for Instruction* Susan S. Evans,William Howard Evans,Cecil D. Mercer,1986 Sorting The Elements Barber,2007-08-01 Explores Elements And Atoms Rows And Columns Common Elements Metals And Nonmetals And Elements Into Compounds *Mystery of the Periodic Table* Benjamin D Wiker,2003-04-18 Leads the reader on a delightful and absorbing journey through the ages on the trail of the elements of the Periodic Table as we know them today He introduces the young reader to people like Von Helmont Boyle Stahl Priestly Cavendish Lavoisier and many others all incredibly diverse in personality and approach who have laid the groundwork for a search that is still unfolding to this day The first part of Wiker s witty and solidly instructive presentation is most suitable to middle school age while the later chapters are designed for ages 12 13 and up with a final chapter somewhat more advanced Illustrated by Jeanne Bendick and Ted Schluenderfritz Mastering the Periodic Table Linda Trombley,Faye Williams,2000 Whether students are studying chemistry biology or other sciences the periodic table is a vitally important tool These 50 word games puzzles and other creative activities unlock the nature of the various elements while explicating periodicity atomic structure element groups and more Complete teacher support includes background information answer keys and materials lists *The Periodic Table* Tom Jackson,2020-02-04 Which is the densest element Which has the largest atoms And why are some elements radioactive From the little known uses of gold in medicine to the development of the hydrogen bomb this is a fresh new look at the Periodic Table Combining cutting edge science with fascinating facts and stunning infographics this book looks at the extraordinary stories of discovery amazing properties and surprising uses of each elements whether solid liquid or gas naturally occurring synthesised or theoretical From hydrogen to oganesson this is a fact filled visual guide to each element each accompanied by technical data category atomic number weight boiling point as well as fun facts and stories about their discovery and surprising uses

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