

Unit 2: Atomic Scientists and Atomic Structure

Unit II. LT # 1&2

Atomic Scientists and Atomic Structure Magic Squares

Directions: Put the number of the definition from the list below into the square with the appropriate term. Check your answers by adding the numbers to see if all the sums of all rows, both across and down add up to the same number, the Magic #.

Democritus <u>2</u>	John Dalton <u>7</u>	J.J. Thomson <u>18</u>	Henry Moseley <u>12</u>	Total <u>39</u>
Ernest Rutherford <u>8</u>	Proton <u>5</u>	Atom <u>11</u>	Henri Becquerel <u>15</u>	<u>39</u>
Millikan <u>13</u>	Neutron <u>17</u>	Nucleus <u>6</u>	Alpha Particle <u>3</u>	<u>39</u>
Electron <u>16</u>	Model <u>10</u>	Mendeleev <u>4</u>	Electron Cloud <u>9</u>	<u>39</u>
Total <u>39</u>	<u>39</u>	<u>39</u>	<u>39</u>	

Magic Number: 39

1. Represented by a symbol; all are found on the Periodic Table
2. Made a mental model of the atom; Greek philosopher
3. Used by Rutherford in his experiment; made of two protons and two neutrons (aka: He)
4. Considered to be the father of the periodic table.
5. The positive particle in the nucleus of an atom. (Not a fundamental particle)
6. The tiny positive core of an atom; contains protons and neutrons.
7. Credited with the first atomic theory model of the atom which had four main postulates.
8. Discovered the nucleus using his gold foil experiment.
9. Current explanation of where electrons might be found in the atom.
10. Used by scientists to explain something we can not see or understand.
11. The smallest particle of an element that has the properties of that element.
12. Arranged the periodic table in terms of the atomic number of the element.
13. Determined the exact charge of the electron with his oil drop experiment.
14. Mass of protons and neutrons
15. Along with Marie and Pierre Curie, discovered radioactivity.
16. The negative particle that circles the nucleus

Periodic Table Magic Square Answer Key

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Periodic Table Magic Square Answer Key:

Natural and Unnatural Product Chemistry Bryan Hanley, 2025-01-26 This book examines and summarises the developments and changes in the approach of organic and natural product chemists over the past years presenting both the successes and inevitable missteps These illustrate the process from molecular isolation and structural identification synthesis and biosynthesis and future perspectives including the development of biological engineering The anticipated audience are chemistry literate scientists who are interested both in specific aspects of natural product chemistry and the illustrative process of trial error and success which defines the area **Match** ,2003 *Chemical Heritage* ,2008 **America's Story** ,1997 **An Introduction to Quantum Theory** Frank S. Levin, 2002 An undergraduate introductory quantum mechanics textbook with a large number of figures and exercises NMR and the Periodic Table Robin Kingsley Harris, Brian E. Mann, 1978 Soviet Life ,1970-05 **Scientific American** ,1908 *Introduction to Nuclear Reactor Physics* Robert E. Masterson, 2017-11-22 INTRODUCTION TO NUCLEAR REACTOR PHYSICS is the most comprehensive modern and readable textbook for this course module It explains reactors fuel cycles radioisotopes radioactive materials design and operation Chain reaction and fission reactor concepts are presented plus advanced coverage including neutron diffusion theory The diffusion equation Fick's Law and steady state time dependent reactor behavior Numerical and analytical solutions are also covered The text has full color illustrations throughout and a wide range of student learning features **Horseless Carriage Days** Hiram Percy Maxim, 1962

The book delves into Periodic Table Magic Square Answer Key. Periodic Table Magic Square Answer Key is a vital topic that must be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Periodic Table Magic Square Answer Key, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:
 - Chapter 1: Introduction to Periodic Table Magic Square Answer Key
 - Chapter 2: Essential Elements of Periodic Table Magic Square Answer Key
 - Chapter 3: Periodic Table Magic Square Answer Key in Everyday Life
 - Chapter 4: Periodic Table Magic Square Answer Key in Specific Contexts
 - Chapter 5: Conclusion
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 6. In chapter 5, the author will draw a conclusion about Periodic Table Magic Square Answer Key. The final chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Periodic Table Magic Square Answer Key.

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Periodic Table Magic Square Answer Key Introduction

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