

## PERIODIC TABLE TRENDS

**Step 1:** Complete the squares for each element by adding the atomic number, name, and atomic mass.

Write the atomic number at the top of the square.

Write the atomic name under the symbol.

Write the atomic mass at the bottom of the square.

**Step 2:** Determine the number of electrons, protons, and neutrons in each statement.

**Step 3:** Create a Bohr diagram for each element.

**Step 4:** Draw a Lewis Dot Structure for each element.

**Step 5:** Show whether the element is a metal, nonmetal, or metalloid by circling the correct response. Also determine if the element is a solid or gas by circling the correct choice.

**Step 6:** Use the following colors to shade in the square for each element. You should **ONLY** color in the small square in the upper left-hand corner and not the entire card.

Green – Li and Na

Pink – O and S

Blue – Be and Mg

Purple – F and Cl

Orange – B and Al

Red – C and Si

Brown – N and P

Yellow – He, Ne, and Ar

White – H

**Step 7:** Cut the cards apart and arrange according to atomic number in the pattern shown below. Once you have the cards arranged in the correct order, glue them to a large sheet of construction paper.

|    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|
| 1  |    |    |    |    |    |    | 2  |
| 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |

**Step 8:** Put a title on your table.

**Step 9:** Make a key for each color with the name of the group for that column.

**Step 10:** Write the column number at the top of each group and the period number on the left side of the table. Be careful, column numbers are not in order from 1-18 and the transition metals, columns 3-12 are not on the table.

**Step 11:** Draw the red zigzag line that separates the metals from the nonmetals.

**Step 12:** Answer the questions on the worksheet using the information on your periodic table.

Be

P = \_\_\_\_  
 N = \_\_\_\_  
 E = \_\_\_\_



Bohr Diagram



Dot Structure

Metal

Solid

Nonmetal

Gas

Metalloid

Gas

# Periodic Table Basics Packet Answer Key

**D Kirk**



## **Periodic Table Basics Packet Answer Key:**

Periodic Table Basics Packet Answer Key: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels enthralling the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the captivating narratives that have captivated audiences this year. Periodic Table Basics Packet Answer Key : Colleen Hoover "It Ends with Us" This poignant tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Periodic Table Basics Packet Answer Key : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Periodic Table Basics Packet Answer Key : Delia Owens "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and gripping novel that will keep you speculating until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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**fiber optic communication system basic elements its** - Dec 06 2022

web basic elements of a fiber optic communication system for gigabits and beyond gigabits transmission of data fiber optic communication is the ideal choice this type of communication is used to transmit voice video telemetry and data over long distances and local area networks or computer networks a fiber optic communication system