



Name: ANSWER KEY  
Date: \_\_\_\_\_

# THE PERIODIC TABLE

## Review Worksheet

1. Fill in the blanks with the terms and words most appropriate to complete each sentence.

- a) In the mid-nineteenth century, only sixty or so elements had been discovered. In 1869 (a year) a Russian chemist and inventor named Dmitri Mendeleev created a chart called the periodic table that predicted the properties of elements that had not yet been discovered. He did this by arranging the elements according to their increasing atomic numbers and by their physical and chemical properties.
- b) Each element in the periodic table is represented by an element box. In this box there is the following information: two numbers, one is a whole number which is called the atomic number, and the other number is larger and contains a decimal, and this one is called the atomic mass. In the box, there is also the short form of the element called the element symbol, and then the full identity of the element which is written using the element name.
- c) Today the modern periodic table is arranged into columns and rows. The columns are called groups and there are 18 (a number) of them. The rows are called periods and there are 7 (a number) of them. The periodic table is divided by a zigzag line also known as the staircase that separates the metals, found on the left of it, from the non-metals, found on the right of it. Directly around the zigzag line are eight elements called metalloids.
- d) All the metals, except for mercury, which is a liquid, are found as solids at room temperature. The metals are also mostly shiny in color, are ductile, malleable, conduct electricity and some are attracted to magnets.
- e) At room temperature, most of the non-metals are found in the gas state except for bromine which is a liquid, and iodine selenium carbon, phosphorus and sulfur which are all found as solids. These elements are colorless or come in various colors, are not ductile, not malleable and do not conduct electricity nor are they attracted to magnets.
- f) Metalloids are elements that have some properties of metals and some properties of non-metals. They are all found in the solid state. Most have a silvery metallic luster, they are brittle and are medium to good electrical conductors.
- g) Chemical families are groups on the periodic table that contain elements that share similar properties.
- h) Group 1 elements are called the alkali metals and they contain the most reactive group of all the metals. They react very violently with water and therefore must be stored under mineral oil so that the water vapor in the air cannot react with these elements. These metals get more reactive as you go down (up or down) the group and the most reactive of all the elements in this group is francium.
- i) Group 2 elements are called the alkaline earth metals and they contain the second most reactive group of all the metals. They also react with water and get more reactive as you go down (up or down) the group.

# Periodic Table Review Sheet Answers

**ML Yell**



## **Periodic Table Review Sheet Answers:**

The book delves into Periodic Table Review Sheet Answers. Periodic Table Review Sheet Answers is an essential topic that must be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Periodic Table Review Sheet Answers, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:

- Chapter 1: Introduction to Periodic Table Review Sheet Answers
- Chapter 2: Essential Elements of Periodic Table Review Sheet Answers
- Chapter 3: Periodic Table Review Sheet Answers in Everyday Life
- Chapter 4: Periodic Table Review Sheet Answers in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Periodic Table Review Sheet Answers. The first chapter will explore what Periodic Table Review Sheet Answers is, why Periodic Table Review Sheet Answers is vital, and how to effectively learn about Periodic Table Review Sheet Answers.
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4. In chapter 3, this book will examine the practical applications of Periodic Table Review Sheet Answers in daily life. The third chapter will showcase real-world examples of how Periodic Table Review Sheet Answers can be effectively utilized in everyday scenarios.
5. In chapter 4, this book will scrutinize the relevance of Periodic Table Review Sheet Answers in specific contexts. This chapter will explore how Periodic Table Review Sheet Answers is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, the author will draw a conclusion about Periodic Table Review Sheet Answers. The final chapter will summarize the key points that have been discussed throughout the book.

This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Periodic Table Review Sheet Answers.

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### Periodic Table Review Sheet Answers Introduction

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