

Periodic Table of Elements

Reading Comprehension Passage

Periodic Table of Elements

Name: _____ Date: _____

Read the passage carefully.

- What is the main purpose of the Periodic Table of Elements?
- How are elements arranged on the Periodic Table?
- What does the atomic number tell us about an element?
- How many elements are there on the Periodic Table?
- What are some of the properties of elements in the same group?
- What are some of the properties of elements in the same period?
- How are elements classified into metals and non-metals?
- What is the difference between a metal and a non-metal?
- What is the difference between a metal and a metalloid?
- What is the difference between a metalloid and a non-metal?
- What is the difference between a non-metal and a noble gas?

Periodic Table of Elements

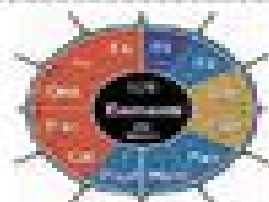
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Periodic Table of Elements

The Periodic Table of Elements is like a big puzzle that helps scientists understand how all the different elements in the world fit together. It's kind of like a big family tree for all the elements!



The Periodic Table has all the elements listed in order from the lightest to the heaviest. Each element has its own special box on the table with its own unique symbol and number. The number tells us how many protons are in the nucleus of the atom of that element.

There are over 100 different elements on the Periodic Table! Some elements you might have heard of are oxygen, gold, and carbon. Each element has its own special properties, like how it looks, how it behaves, and what it can be used for.

The Periodic Table is divided into rows and columns. The rows are called periods, and the columns are called groups. Elements in the same group have similar properties. For example, all the elements in Group 1 are very reactive, while the elements in Group 18 are very stable.

The Periodic Table was first created by a scientist named Dmitri Mendeleev in 1869. He noticed that when he arranged the elements in order of their atomic mass, certain patterns started to emerge. He was able to predict the properties of elements that hadn't even been discovered yet!

Thanks to Mendeleev's work, we now have a handy tool that helps us understand the building blocks of the universe. Scientists use the Periodic Table to study how elements combine to form compounds, and how they react with each other.

So the next time you see the Periodic Table, remember that it's like a big family tree for all the elements in the world. Each element has its own unique place on the table, and together they make up everything around us!

Periodic Table Of Elements Passage

Guillaume Favre



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