

## The Periodic Table Trends, Groups, and Organization

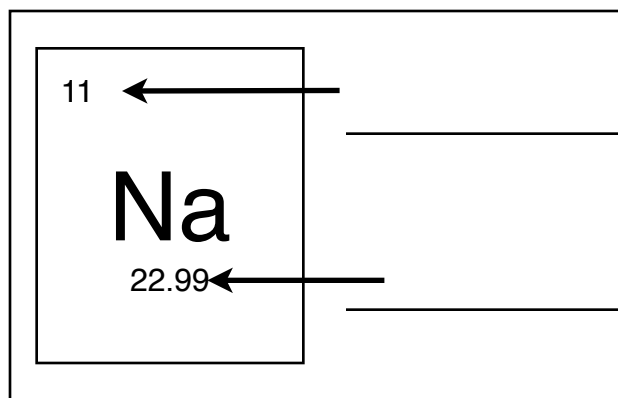
### History:

- In 1869, \_\_\_\_\_ made a chart of the known elements. This chart is called the periodic table.
- As more elements have been discovered, they have also been added to the chart.

### Periodic Table:

- Elements are arranged in order of their \_\_\_\_\_.

- Known elements: \_\_\_\_\_



### Terminology

- The set of elements in the same vertical group in the periodic table is a \_\_\_\_\_.
- These elements have similar \_\_\_\_\_.

A blank periodic table grid. It consists of 7 rows and 18 columns. The first two rows have gaps at the beginning and end. The first row has 2 elements, the second row has 2 elements. The third row has 18 elements. The fourth, fifth, and sixth rows each have 18 elements. The seventh row has 10 elements, centered under the first 10 elements of the sixth row.

- A horizontal row of elements in the periodic table is called a \_\_\_\_\_.
- Elements in periods DO NOT have similar \_\_\_\_\_.

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## **Summary of Chemical Families:**