

Periodic Table of the Elements

The horizontal rows of the periodic table are called **PERIODS**.

Periodic Table

The elements in any group of the periodic table have similar physical and chemical properties!

The vertical columns of the periodic table are called **GROUPS**, or **FAMILIES**.

### Periodic Law

When elements are arranged in order of increasing atomic number, there is a periodic pattern in their physical and chemical properties.

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**Alkali Metals**

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**Alkaline Earth Metals**

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**Transition Metals**

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*These elements are also called the rare-earth elements.*

\*Lanthanide Series  
 \*Actinide Series

Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr

*Inner Transition Metals*

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\*Lanthanide Series  
 \*Actinide Series

*Halogens*

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\*Lanthanide Series  
 \*Actinide Series

*Noble Gases*

Periodic Table of the Elements

*There are 4 regions you will need to be familiar with: s, p, d, f*

*The s and p block elements are called Representative elements and also Main group elements*