



Essential Question: **What are the patterns found in the periodic table?**

What are the properties of metals, nonmetals, and metalloids?

Questions:

Notes:

Who created the periodic table?

Dimitri Mendeleev:

How are the elements sorted?

- Arranged in order of increasing atomic number
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• **Reactivity:**

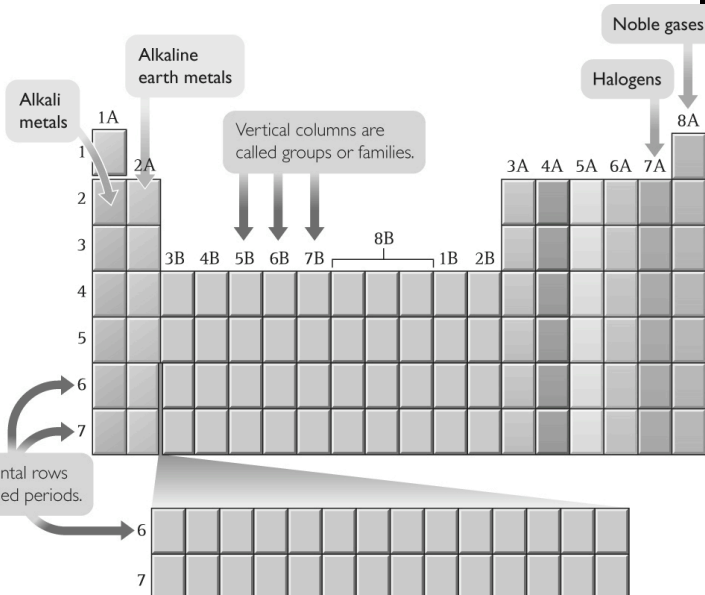
Reactive elements. There is an explosion when elements in the upper right come in contact with metals.

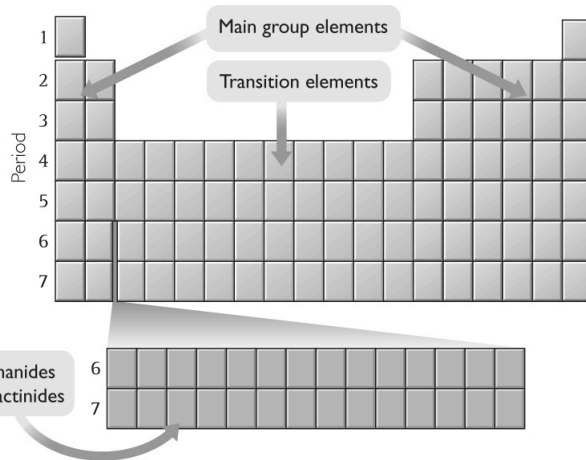
The elements in the middle of the periodic table are not very reactive.

Reactive elements. Elements in the lower left explode upon contact with water.

The elements in Group 8A are very unreactive.

Terms/Areas of Organization of the Periodic Table

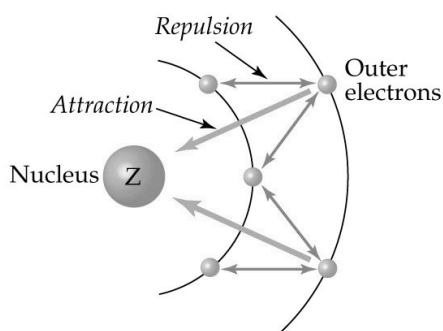




Why do atoms get smaller as you move across the periodic table?

Atomic Radius:

Shielding Effect:



What are the properties of metals, nonmetals, and metalloids?

Metals:

Nonmetals:

Metalloids:

Summary:
