On the back of the Do Now on the front table write a Type 1 (10 lines) explaining how atoms make up molecules.

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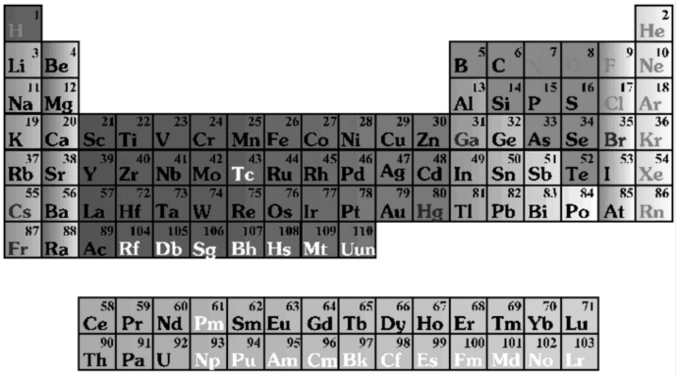
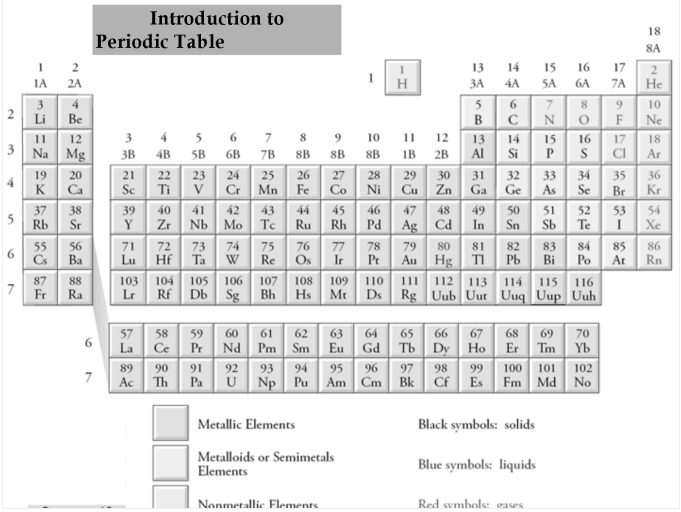
The Periodic Table



Each small square on the periodic table shows the name of one element and the letter symbol for the element.

Introduction to Periodic Table



Introduction to Periodic Table

Groups (families)

The vertical columns of the periodic table

they are numbered from 1-18 from left to right

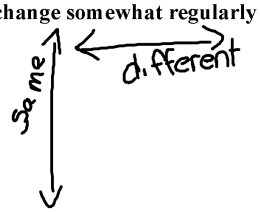
each group contains elements with similar chemical properties

Introduction to Periodic Table

Periods

The horizontal rows of elements in the periodic table

physical and chemical properties change somewhat regularly across a period



Introduction to Periodic Table

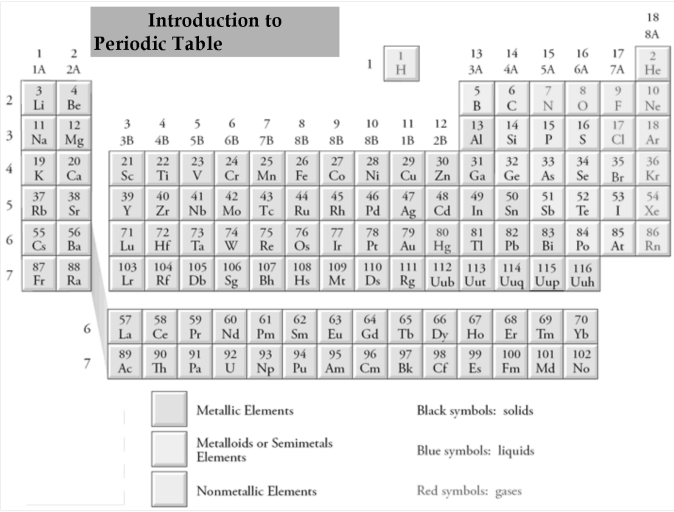
The periodic table is broadly divided into two main sections: metals and nonmetals.

Metal

An element that is a good conductor of heat and electricity

are located at the left and in the center of the table

most are solid at room temperature, are malleable, ductile, have luster



Introduction to Periodic Table

Nonmetal

An element that is a poor conductor of heat and electricity

are located at the far right side of the table

Introduction to Periodic Table

Metalloid

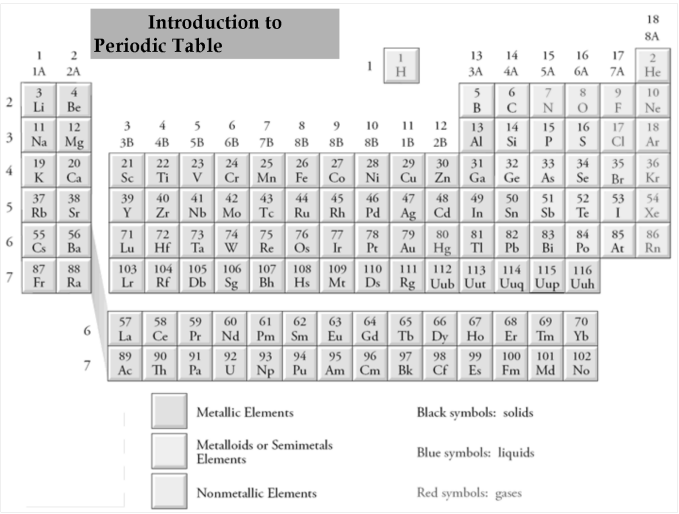
An element that has some characteristics of metals and some characteristics of nonmetals

located along the stair-step line at the right side of the table

tend to be semiconductors of electricity

Introduction to Periodic Table

Noble Gases

The elements in Group 18

are gases at room temperature and generally unreactive