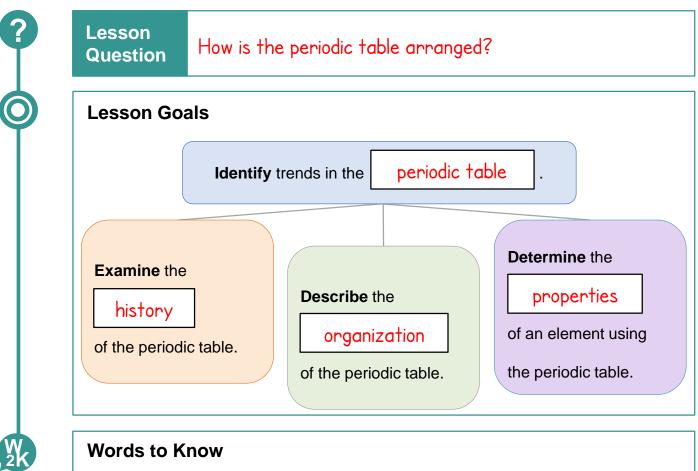


Warm-Up

Periodic Table



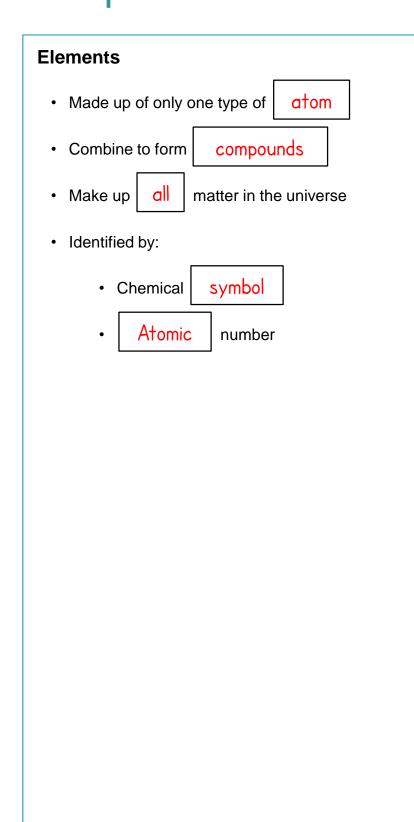
Fill in this table as you work through the lesson. You may also use the glossary to help you.

group	a vertical column of elements in the periodic table
periodic table	a table that organizes the chemical elements in order of increasing atomic number and that groups elements based on similarities in chemical properties and electron configurations
period	a horizontal row of elements in the periodic table
atomic mass	the average mass of all isotopes of an element

O



Warm-Up Periodic Table



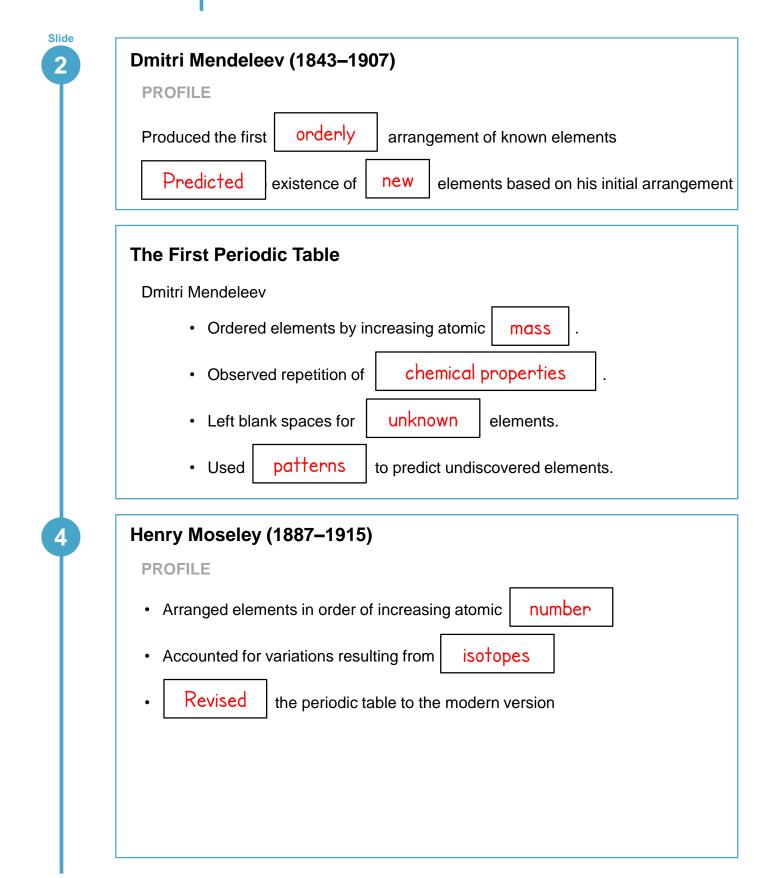


Instruction

The Periodic Table				
The periodic tab	is an organized display o	is an organized display of the elements.		
History of the Perio	dic Table			
Several chemists made	e contributions to the way elemer	nts are organized. T		
arrangements eventua	Ily led to the modern periodic tab	e.		
Year: 1789	Year: 1829	Year: 1865		
Antoine Lavoisier	Johann Wolfgang Döbereiner	John Newlands		
wrote <i>Elementary</i>	arranged	arranged		
Treatise of Chemistry,	elements into	elements accord		
which	groups of three	their		
classified	based on similar properties.	atomic mass		
elements as acid-				
forming, gas-like,				
metallic, or earthy.				
metallic, of earling.				



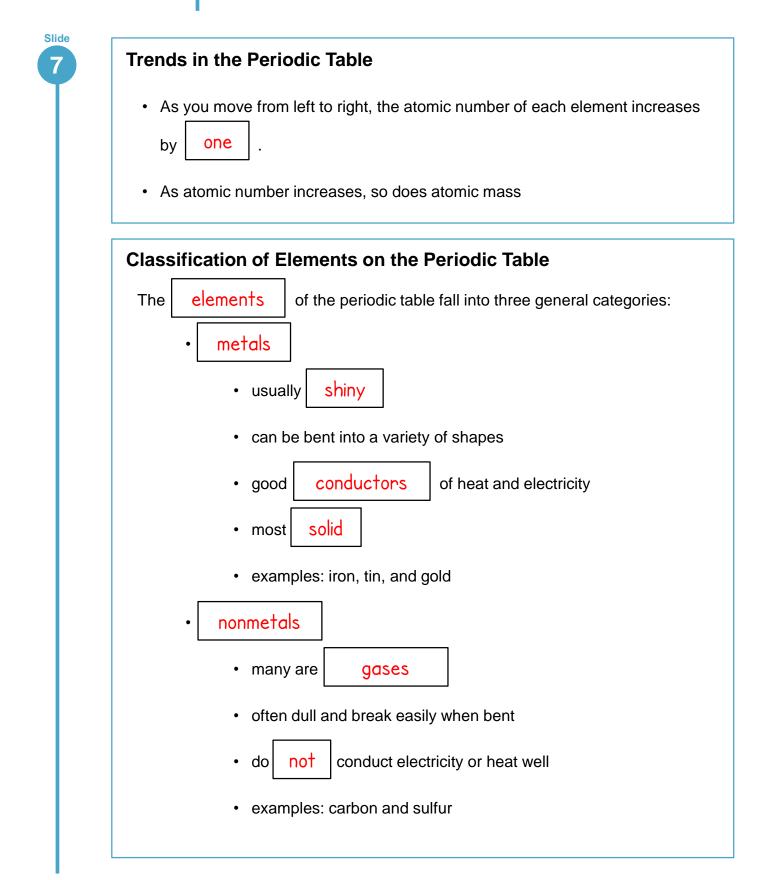
Instruction





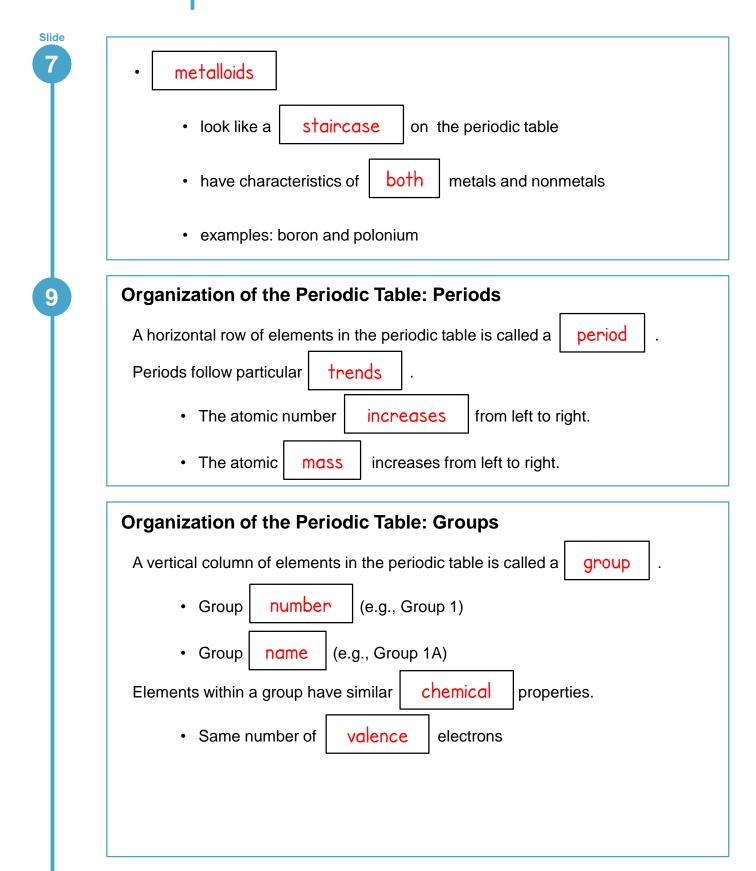
Instruction



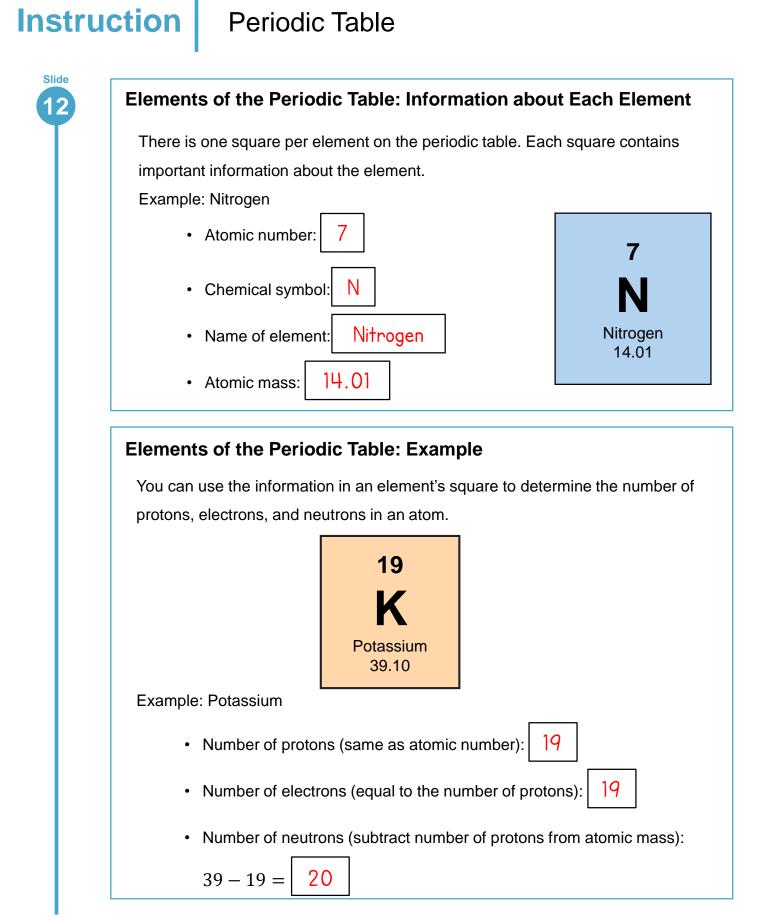




Instruction









Summary

Periodic Table

Lesson Question

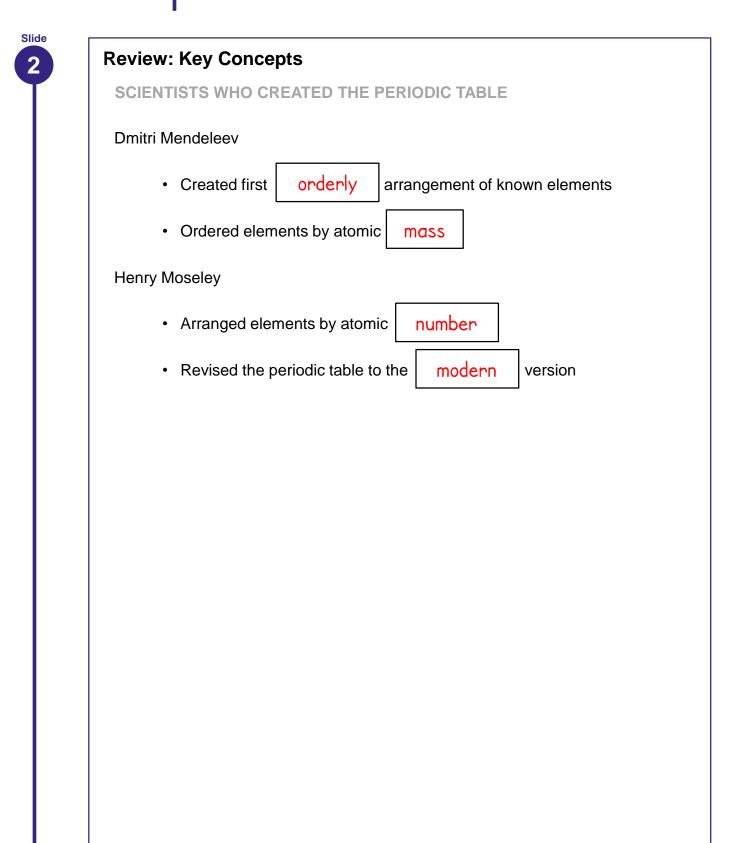
How is the periodic table arranged?

Answer

(Sample answer) The periodic table is arranged in periods and groups. Periods are horizontal rows of elements that follow particular patterns. For example, atomic number and atomic mass increase from left to right. Groups are vertical columns of elements that have similar chemical properties. Elements in the same group have the same number of valence electrons. The elements of the periodic table fall into three general categories: 1) metals, 2) nonmetals, and 3) metalloids.

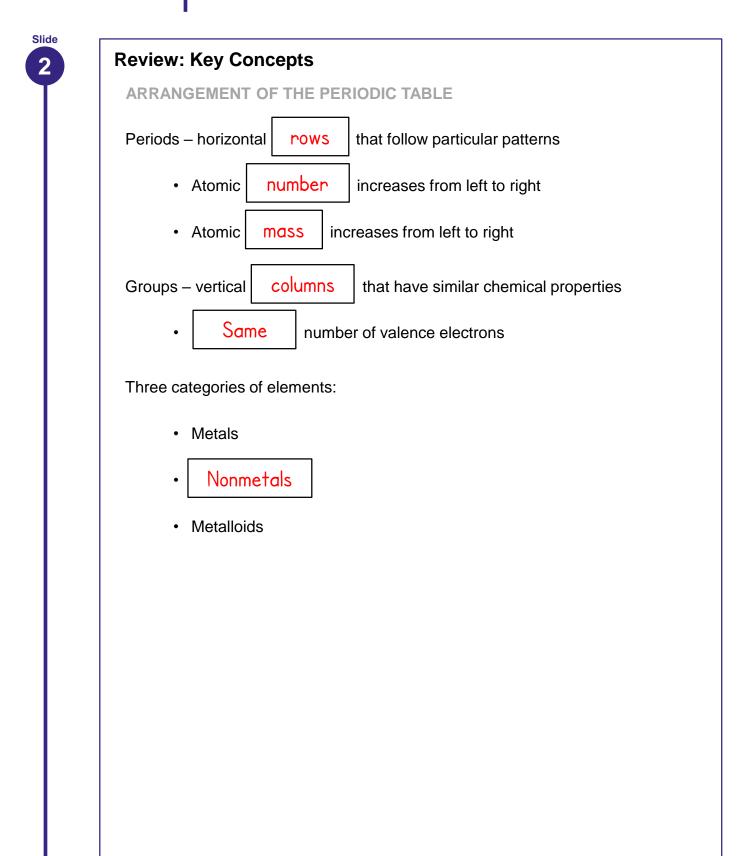


Summary



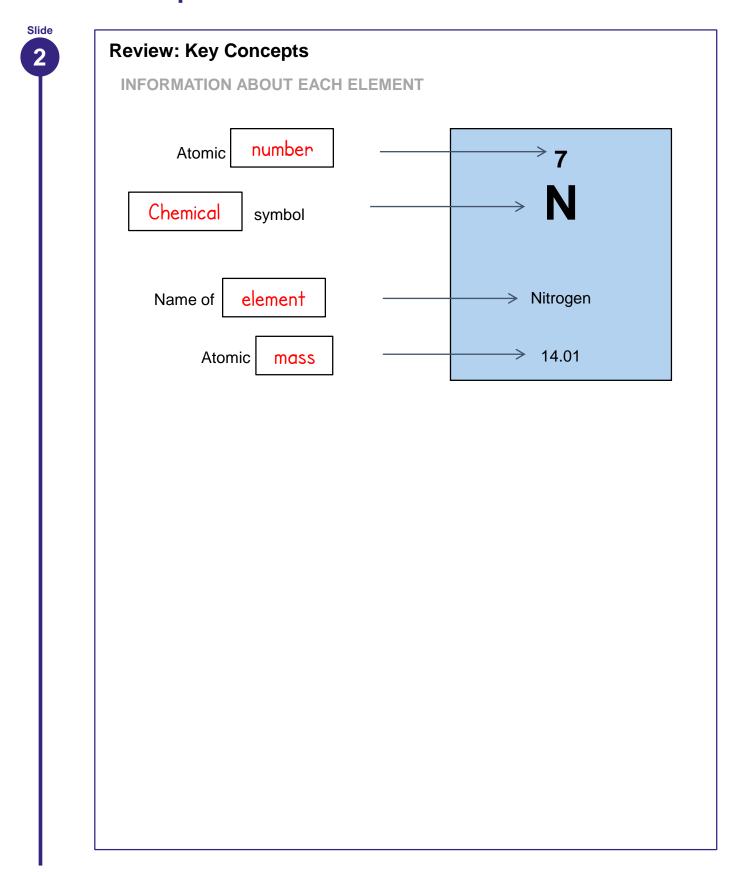


Summary





Summary







Summary

Periodic Table

Use this space to write any questions or thoughts about this lesson.