Bell-Ringer:

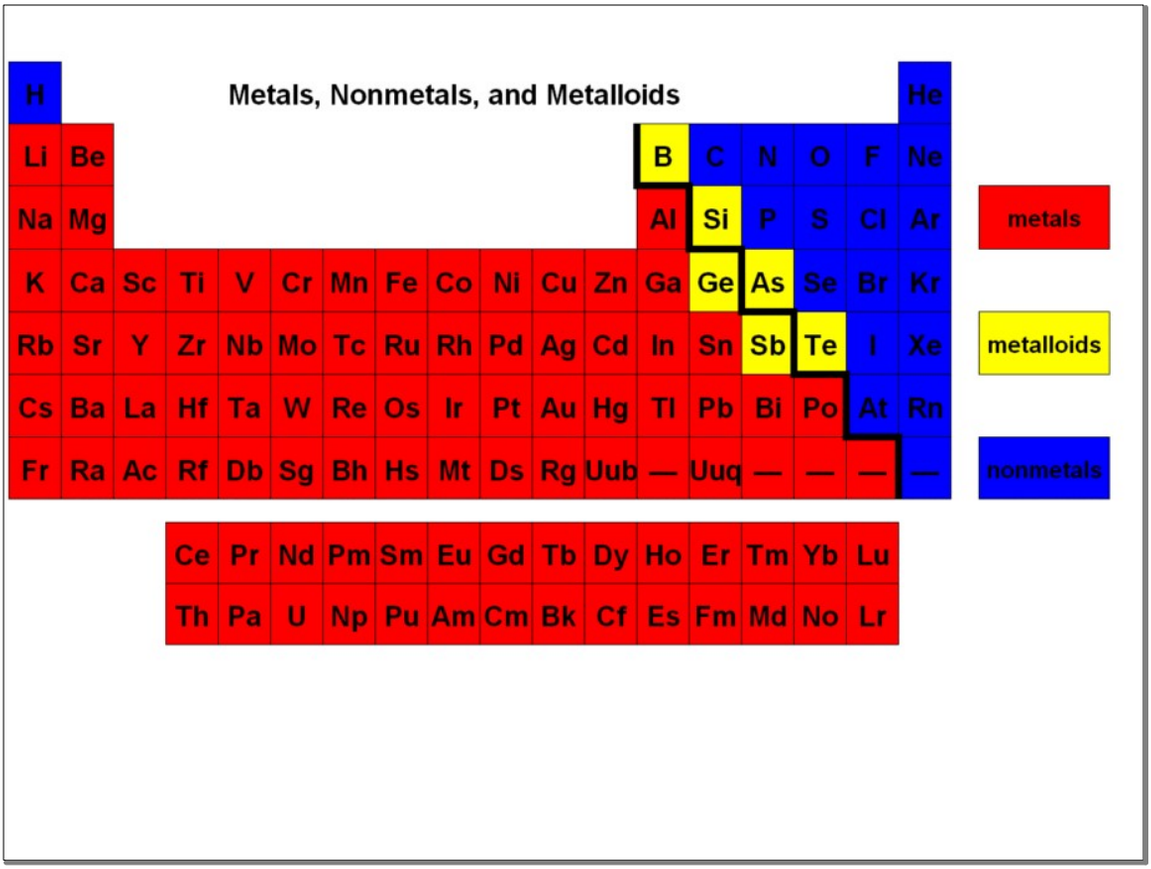
Go to All in Learning and complete the assessment.

Learning Objective:

Students will be able to classify elements on the periodic table by their periods, group numbers and group names.

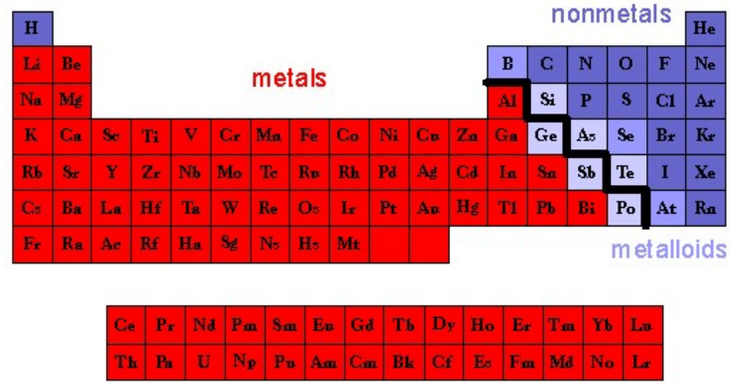
Review of sub-atomic particles.

We will now go over the Atomic Structure Worksheet from a few classes ago.

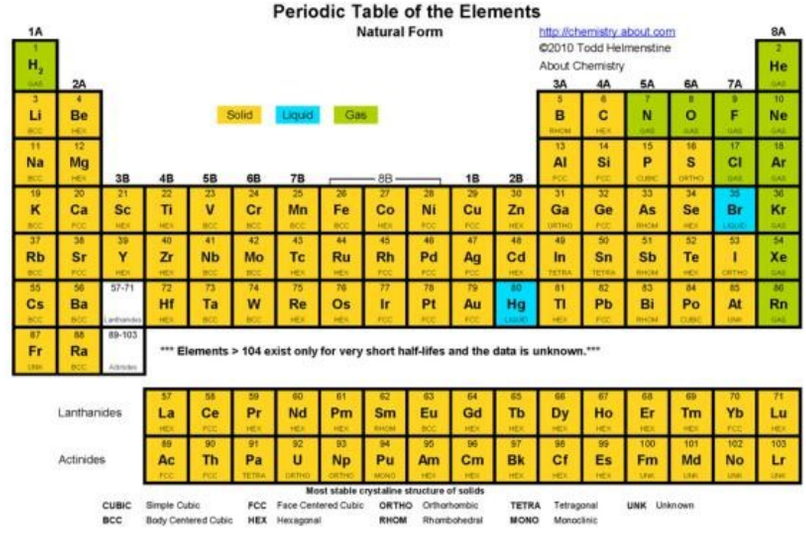


Oct 9-7:54 AM

Metals, Nonmetals, and Metalloids



Oct 9-8:10 AM



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How the periodic table is arranged:

Periods = rows = horizontal = left to right

numbered from top to bottom 1-7

Groups = columns = vertical = up to down

numbered from left to right

Group numbers:

"Tall groups"

1A, 2A, 3A, 4A, 5A, 6A, 7A, 8A

"Short groups"

3B, 4B, 5B, 6B, 7B, 8B, 8B, 8B, 1B, 2B

Groups with special names:

1A = alkali metals (these are very reactive)

2A = alkaline earth metals (these are slightly less reactive)

7A = halogens

8A = noble gases (these are non-reactive)

1A through 7A = representative elements

2B through 1 B = transition metals

Groups at the bottom = inner transition metals

Guided Practice (zoom poll):

For each of the following Elements, what group are they in?

Complete the assignment in Google Classroom.