

CHEMISTRY - INTRODUCING THE PERIODIC TABLE

PURPOSE: Students will design a table of imaginary elements by searching for patterns and regularities among elements' physical and chemical properties.

MATERIALS: envelope with data cards for imaginary elements

PROCEDURE: Examine the set of element cards and look for similarities and differences in the properties listed. Organize the elements into large groups based on some property such as conductivity, and later refine the groups based on other properties such as stable ions or reactivity. Assimilate all elements into a table that is based on patterns or trends in physical and chemical properties. Diagram the table on paper with an explanation of the patterns used to create the table.

DATA:
