

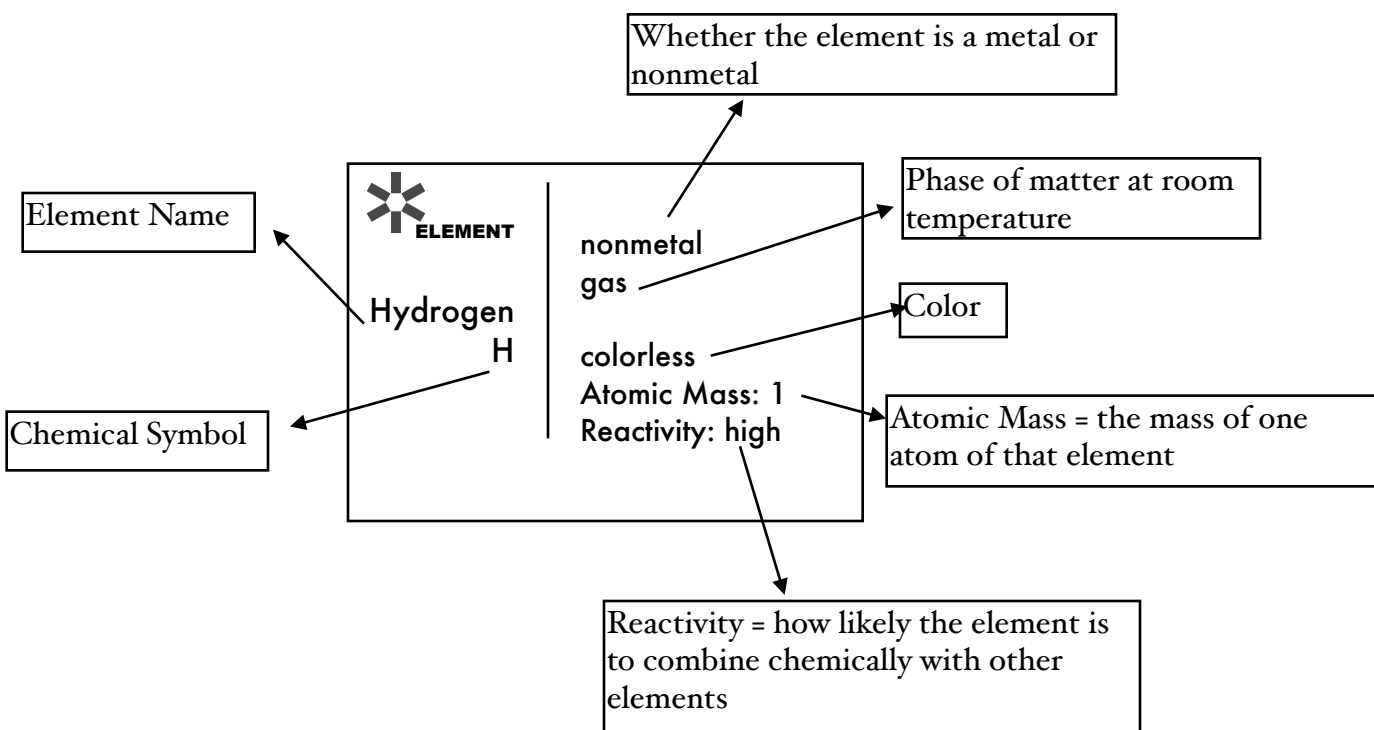
We are Family

Challenge: How can elements be grouped based on their physical and chemical properties?

An element is a substance that cannot be broken down into simpler substances by heating it or causing it to react with other chemicals. There are 90 elements that occur naturally in the world and another 25 that scientists have made in laboratories. In this activity you will investigate 13 of the 90 naturally occurring elements and think of ways to group them based on their characteristics.

Procedure:

1. Spread the element cards out on your table and locate the following information.



2. Examine the information on the cards noting similarities and differences.
3. Working together sort the cards into at least 3 groups. Each group should have at least two similar properties.
4. Create a table in pages that is like the data table in your lab.
 - List the names of elements in each group in the table along with the characteristics they share.
 - Drop it in the folder with your teacher's name in services 3 when finished.
 - Be prepared to share with the class.