



## Patterns - More is Better

Our Periodic Table of Elements has many patterns existing in it and its organization and even shape is based upon this. Not all elements "fit" all of the patterns on the Periodic Table but are where they are because they fit many of the trends. People actually use these trends to look for new elements as they know the expected properties. This activity is based upon our Periodic Table.

Cut out the individual squares. Arrange them to organize them to display the most patterns; glue this to a large sheet of paper to submit or take a picture of your "Table of Trends" and print it to submit. Explain the patterns that you found.

Which one does not belong?

How could you change the "wrong one" to fit to your patterns? Are there examples on the Periodic Table that do not fit the patterns? If so site a few.

Create a block to add to your table. What does it look like and where is it located?

Is there another way to display the patterns better?