

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

### Periodic Table Puzzle

**Directions:** With your knowledge of the Periodic Table, and the help of your group members, you should be able to re-assemble the Periodic Table. DO NOT use ANY copy of a periodic table or any NOTES, etc...

Pre-Lab Questions:

1. Draw a General shape of the periodic table in the space provided:
  
  
  
  
  
  
  
  
  
  
2. What will your strategy be to assemble the periodic table? In other words, what steps will you use to assemble the puzzle accurately?
  
  
  
  
  
  
  
  
  
  
3. Have your teacher sign in the space provided with your puzzle is 100% accurate.

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4. What were the problems or difficulties your group had? How did you overcome them?
5. Look carefully at family #1 (it is the column that begins with Hydrogen.) What do all of these elements have in common?
6. What do all the elements in Family #2 have in common?
7. How does the atomic number change as you go across each period?
8. How do the number of valence electrons change as you go across each period?

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