

## Get Organized, Baby! - Task 2

It's All Elemental v3 Worksheet

Click on the first website listed.

1. Why are the elements placed in specific places on the Periodic Table?

Because of the way they look and act

2. Periods are rows that run from left to right.
3. Elements in the same period have the same number of electron shells(orbitals).
4. Every element in the first period has 1 shell for its electrons. Every element in the second period has 2shells for its electrons. See the pattern?
5. Groups are columns that run from top to bottom.
6. The elements of a group have the same number of electrons in their outer(valence) shell.
7. Every element in group one has 1 electron in its outer shell. Every element in group two has 2 electrons in its outer shell.
8. Hydrogen is special because it can act like two groups, 1 and 7.
9. Hydrogen sometimes is missing an electron and sometimes it has an extra electron.
10. Although helium has only 2 electrons in its outer shell, it is grouped with elements that have 8.
11. The gray elements on this table are called transition elements. They each have two electrons in their outer shell.

### **Task 3**

**\*\*As a class you will color code your periodic table. Number the groups 1-18 and periods 1-7, 6 and 7 on your periodic table. Ask your teacher if you need help before you do this.**