## Periodic Table

Elements are organized by

1. $\qquad$ number
2. how many $\qquad$ are in the outer shell
3. by which $\qquad$ is their $\qquad$ ,
(or the $\qquad$ that electrons are added to).

Columns tell us how many $\qquad$ are in the outer shell.

Rows tell us how many $\qquad$ there are.

The atomic number tells us how many $\qquad$ an atom has.

## Group



## Periodic Table

## Elements are organized by

1. atomic number
2. how many electrons are in the outer shell
3. by which shell is their valence shell (or the shell that electrons are added to).

Columns tell us how many atoms are in the outer shell.
Rows tell us how many shells there are.
The atomic number tells us how many electrons an atom has.

## Bohr Diagram

1. Find your element on the periodic table. Write the element's symbol in the nucleus.
2. Find which row your element is in. This is how many shells your element will have.
3. Look at the atomic number of your element on the periodic table. This is how many electrons you will draw.
4. Remember, there are two electrons in the first shell, up to eight electrons in the second shell.


Bohr Diagram


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## Bohr Diagram

1. Find your element on the periodic table. Write the element's symbol in the nucleus.
2. Find which row your element is in. This is how many shells your element will have.
3. Look at the atomic number of your element on the periodic table. This is how many electrons you will draw.

4 Remember, there are 2 electrons in the first shell, 8 electrons in the second shell, up to 8 electrons in the 3 rd shell.


Bohr Diagram


## Bohr Diagram - Transition Metals

1. Find which row your element your element is in. This is how many shells your element will have.
2. Look at the atomic number of your element on the periodic table. This is how many electrons you will draw.
3. The column will tell you how many electrons are in your outmost shell. Electrons in the Transition Metal Group get added to the 2nd to last shell.


Bohr Diagram - Transition Metals


