

## Chapter-5 Periodic classification

## Experiential learning:

## Activity 1: Magic Square

Put the number of the definition from the list below into the square. Check your answers by adding the numbers to see if all the sums of all rows, both across and down add up to the same number.

|   |   |   |              |
|---|---|---|--------------|
| a | b | c | Magic Number |
| d | e | f | _____        |
| g | h | i | _____        |
|   |   |   | Magic Number |

- Number of periods in Modern Periodic Table.
- Sodium is present in \_\_\_\_\_ period of the Periodic Table
- Elements in 15<sup>th</sup> group has \_\_\_\_\_ electrons in the outermost shell.
- Valence electrons of He
- Atomic number of Be.
- Atomic number of Fluorine.
- Atomic Number of Carbon.
- Number of groups in Mendeleev's Periodic Table
- Hydrogen is the \_\_\_\_\_ element in the Periodic Table.

## Curiosity Questions:

## Question:

Why should elements be arranged?

## Answer guide:

How can we predict the properties of an element?

Name some elements used in our daily life.