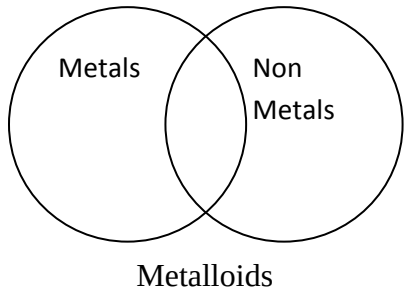


Experiential learning:**Activity1: Triple Venn diagram**

Three parts Venn diagram is used to identify differences between metals and non metals. Students are given clues. They will identify the clues given and write them in the correct place in the Venn diagram.

	Clues: (Who am I) 1. I am a Liquid used in Thermometer. 2. All my members are Shiny. 3. All my family members can be beaten into thin sheets. 4. My symbol is As 5. I am lustrous and sublime. 6. All my members have High tensile strength 7. I am hardest substance and used in making ornaments. 8. Pencil Lead 9. My symbol is Ge
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Activity 2:**Musical formation of ionic compound**

- Students were given the cards of cation or anion
- Students have to find their bond mate among peers.
- As the music plays they will go around the room find their cations or anions to bond with.
- Once the music stops, they have to return to their seat
- They have another ten minutes to Show the electron dot structure of the ionic compounds.

<u>Cation (+)</u>	<u>Anion (-)</u>	<u>Electron dot structure</u>	<u>Name</u>

Na⁺	O²⁻
Al³⁺	Br⁻

Activity 3: Nature of Rust

Collect rust and dissolve in very small amount of water.

Test the solution with Red litmus paper.

Activity 4: Nature of Sodium oxide

Add two to three drops of phenolphthalein in beaker full of water

Drop a piece of sodium in the beaker

Sodium reacts with water vigorously and the water turns into pink.

A lot of heat is generated in the reaction.

Curiosity Questions:**Question:**

What happens if we drop gold ring instead of sodium in water?

Answer guide:

Does the reaction take place?

Why is Sodium kept in kerosene?

Which gas catches fire during the reaction of sodium with water?

Question:

If you could change a property of metal which one would it be? Why?

Answer guide:

What is corrosion?

Why is steel used in construction?

Why is Zinc used for galvanization?