

Chapter 4 Carbon Compounds

Experiential learning

Activity: 1

Chemistry Tambola game

- Students are given a sheet with number of formulae as follows:

CH ₄			CH ₂ =CH ₂
	CH ₃ OH	CH ₃ CHO	
	CH≡CH	-CHO	HCOOH
CH ₃ CH ₂ Cl	CH ₃ CH ₂ CH ₂ CH ₃		$\begin{array}{c} \text{-C-} \\ \\ \text{O} \end{array}$

- Teacher will randomly pick and tell the name of the chemical formula.
- Students will tick the correct formula
- The student who finishes the full house is considered as the winner.
(If they don't know the correct formula they will lose the game.)

Activity 2: Black snake from sugar

- Take sugar into 300 ml beaker.
- Add 70 ml of sulphuric acid to the sugar and stir briefly.
- The sugar turns brown and then changes to black.

Curiosity Questions:

Question:

What happens to sugar?

Answer guide:

What is colour of carbon?

What is the role of Sulphuric acid in this activity?