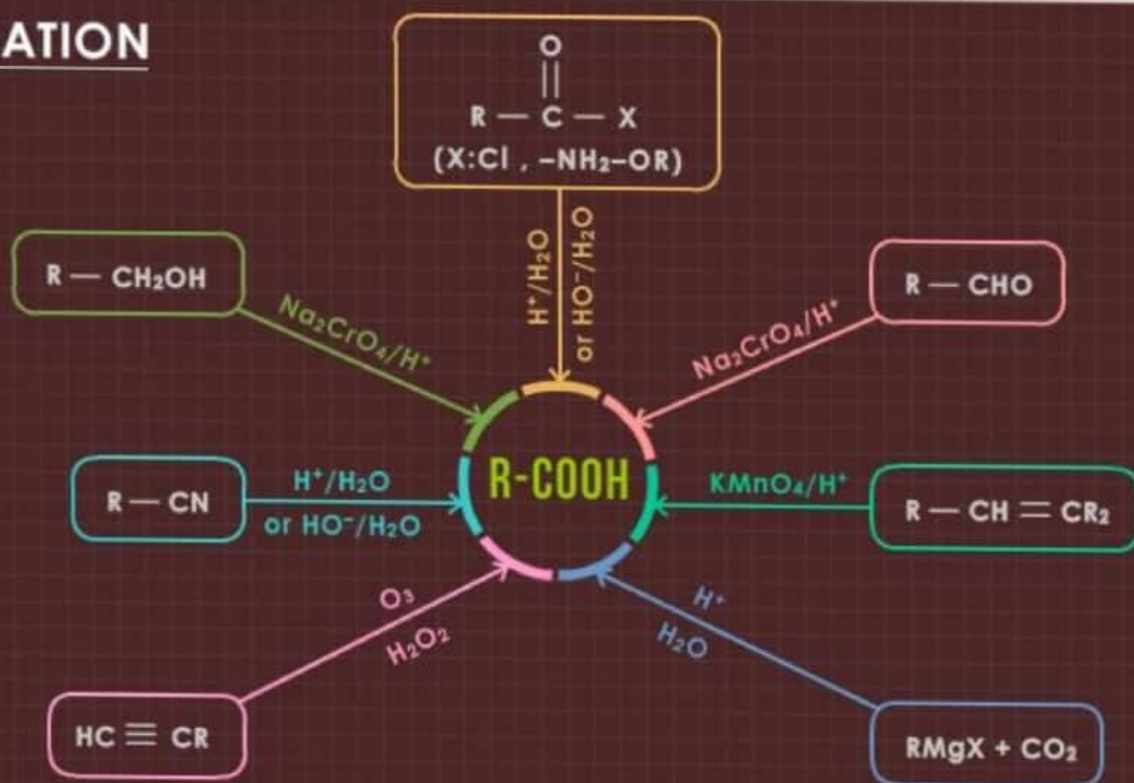


CARBOXYLIC ACIDS



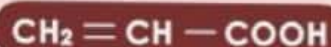
PREPARATION



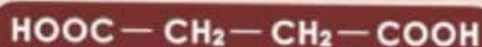
NOMENCLATURE

The **Systematic IUPAC name** consists of the corresponding hydrocarbon, in which the final -e is replaced with the suffix -oic (-dioic for dicarboxylic) and the word acid. When the carboxyl group is attached to a ring, the ending -carboxylic acid is added to the name of the parent structure. Many carboxylic acids have common names.

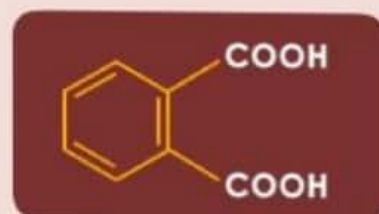
EXAMPLE :



Propen-oic acid
(acrylic acid)



Butan-di-oic acid
(succinic acid)



Benzene-1,2-dicarboxylic acid
(succinic acid)

USES

- VINEGAR CONTAINS ETHANOIC ACID**
Ethanoic acid is used in the manufacturing of rayon



- SOUR FRUITS CONTAIN CITRIC ACID**
Fruits like lemon and orange contain citric acid



- ASPIRIN IS A CARBOXYLIC ACID**
It is used for pain relief and prevention of heart attacks



- VITAMIN C CONTAINS ASCORBIC ACID**
needed to maintain health of skin, cartilage and bone

