

General Anaesthetics

- General anesthetics are CNS depressant drugs that induce absence of perception of all sensations and loss of pain.
- The word anesthesia has been derived from Greek word and means “without perception” of “Insensibility”.
- It has four stages-

Stage-a)- **Analgesia**:- This stage starts with the first inhalation of anesthetic gas and ends with the onset of the consciousness.

Stage-b)- **Delirium or Excitement**:- This stage begins with the loss of consciousness.

Stage-c)- **Surgical anesthesia**:- This is the stage of unconsciousness and paralysis of reflexes.

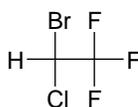
Stage-d)- **Medullary paralysis**:- This stage begins with central respiratory paralysis and end with cardiac failure and death. This stage should be avoided.

Classification:-

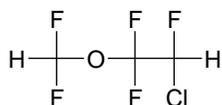
A)- **Inhalational anesthesia**:-

i)- Halogenated

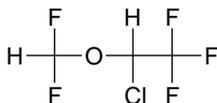
Ex.-



Halothane



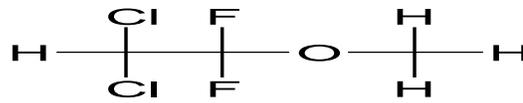
Enflurane



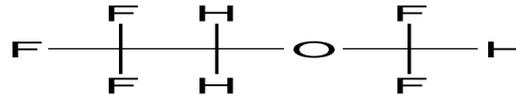
Isoflurane



Nitrous oxide



Methoxyflurane



Desflurane

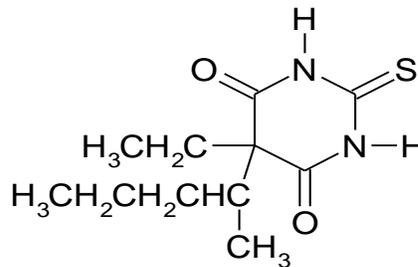
ii)- Non-halogenated anesthetics:-

Ex.-



B)- Intravenous anesthetics:-

Ex.-



Thiopental

- Methohexital
- Ketamine