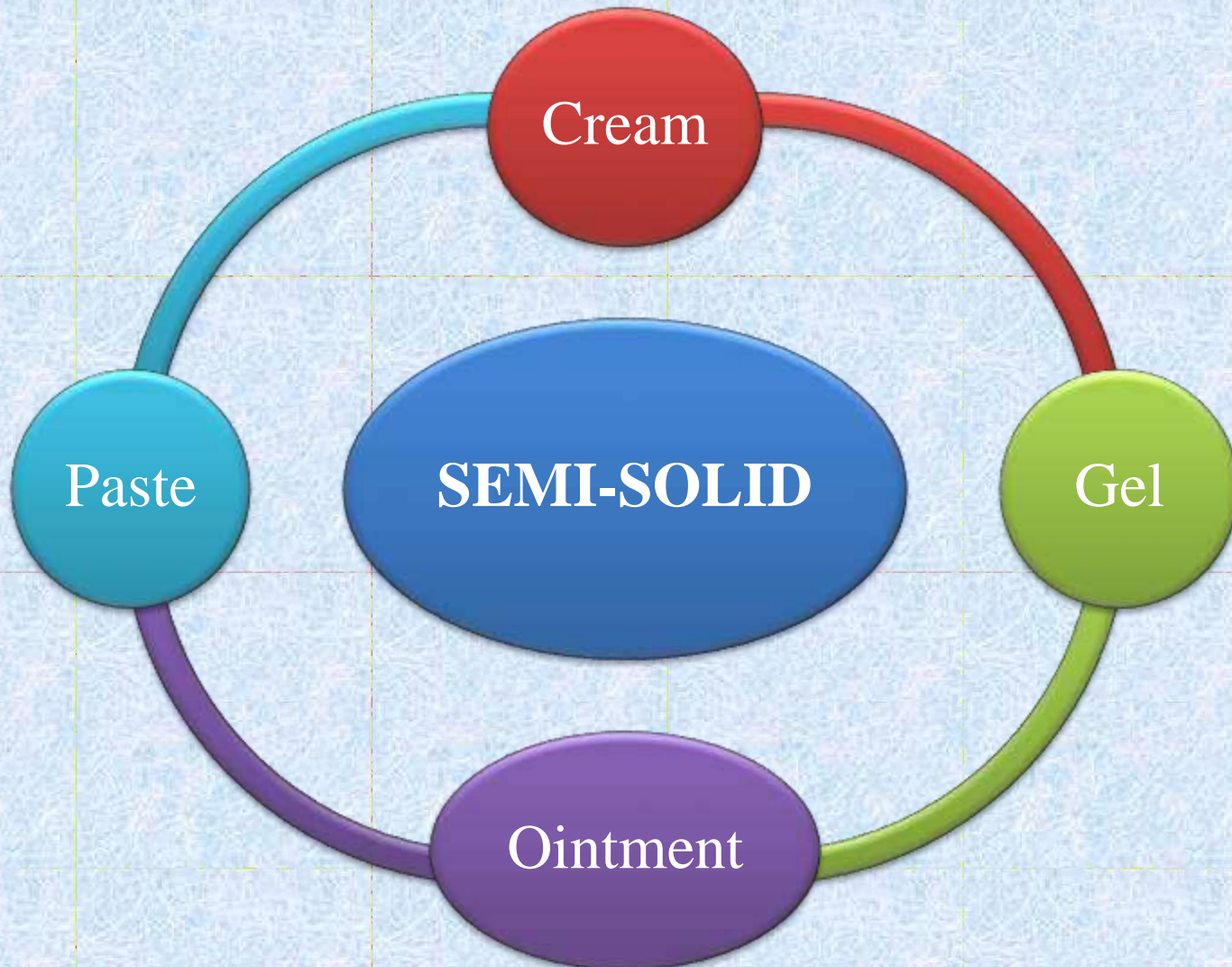


# **Semisolid dosage form**

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# SEMI-SOLID DOSAGE FORMS





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## 1 – OINTMENTS

- Ointments are semi-solid, greasy preparations for application to the skin, rectum or nasal mucosa.
- Base is usually anhydrous and immiscible with skin secretions.
- Ointments may be used as emollients or dissolved medicaments to the skin.

## 2 – GELS



- In gel a liquid phase is constrained within a 3-D polymeric matrix (consisting of natural or synthetic gum) having a high degree of physical or chemical cross-linking.
- It is used for medication, lubrication and some miscellaneous applications like carrier for spermicidal agents to be used intra vaginally.

## 3 – CREAMS



### Oil-in-water (O/W)

- It composed of small droplets of oil dispersed in a continuous aqueous phase.
- Less greasy and more easily washed off using water.

### Water-in-oil (W/O)

- It composed of small droplets of water dispersed in a continuous oily phase.
- More difficult to handle but used for hydrophobic drug preparation.
- Reduces water loss from the stratum corneum maintain moisture of skin.



## 4 – PASTES



- Pastes are basically ointments into which a high percentage of insoluble solid has been added.
- The extra ordinary amount of particulate matter stiffens the system.
- It provide less heating and penetration than ointment.
- It make good protective barrier when placed on the skin, the solid they contain can absorb and thereby neutralize certain noxious chemicals before they ever reach the skin.

### Greasy Pastes

- Leaser's paste

### Non-greasy Paste

- Bassorin paste

# RECTAL & VAGINAL DOSAGE FORMS

## 1 – SUPPOSITORY

- It is a semi solid medicated mass, usually cone shaped, that is inserted either into the rectum, vagina where it melts at body temperature.



## 2 – PESSARY

- Pessaries are solid medicated preparations designed for insertion into the vagina where they melt or dissolve.



### Moulded Pessaries

- Cone shape and prepared by molded method.

### Compressed Pessaries

- Prepare by compression as similar manner to oral tablets.
- Available in different shape.

### Vaginal Capsules

- Prepare same as soft gelatin capsules and various size and shape.



**THANK YOU**

