

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES

Affiliated To The Tamil Nadu Dr. MGR Medical University, Chennai

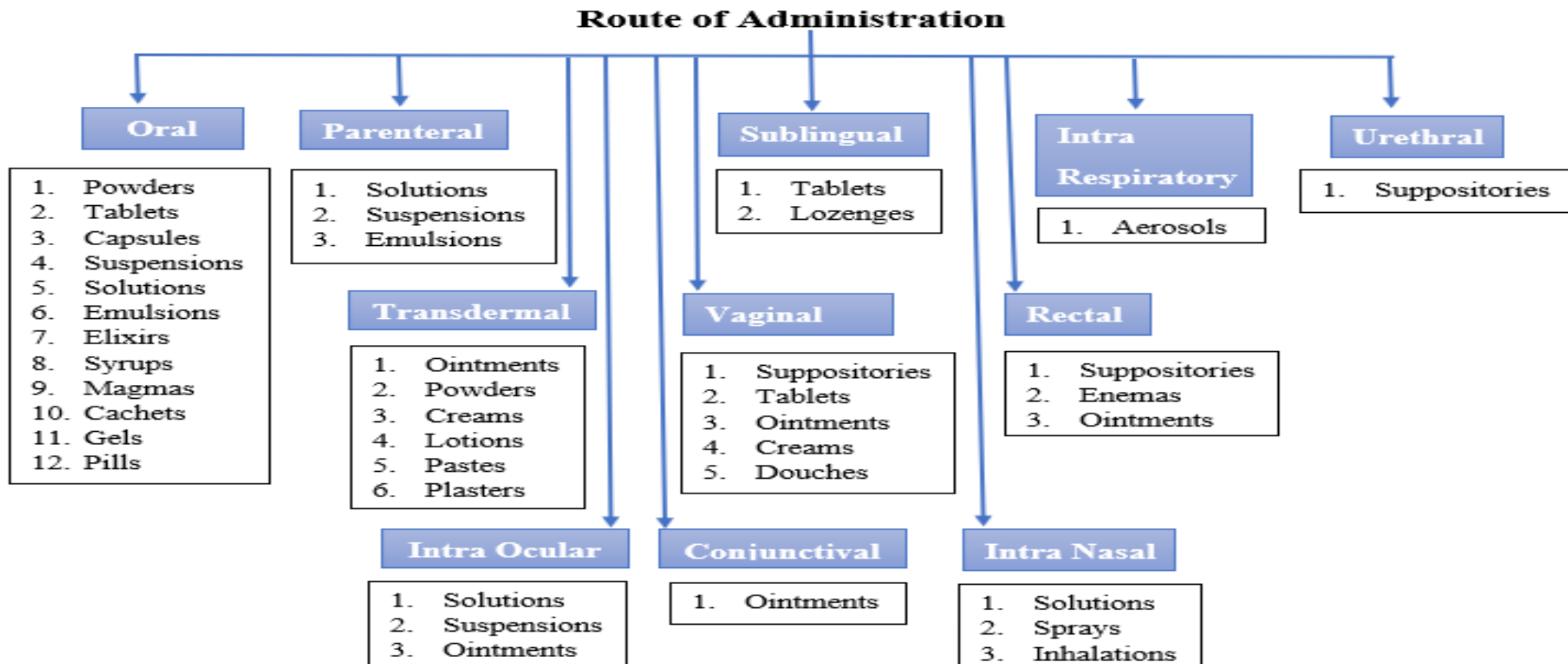
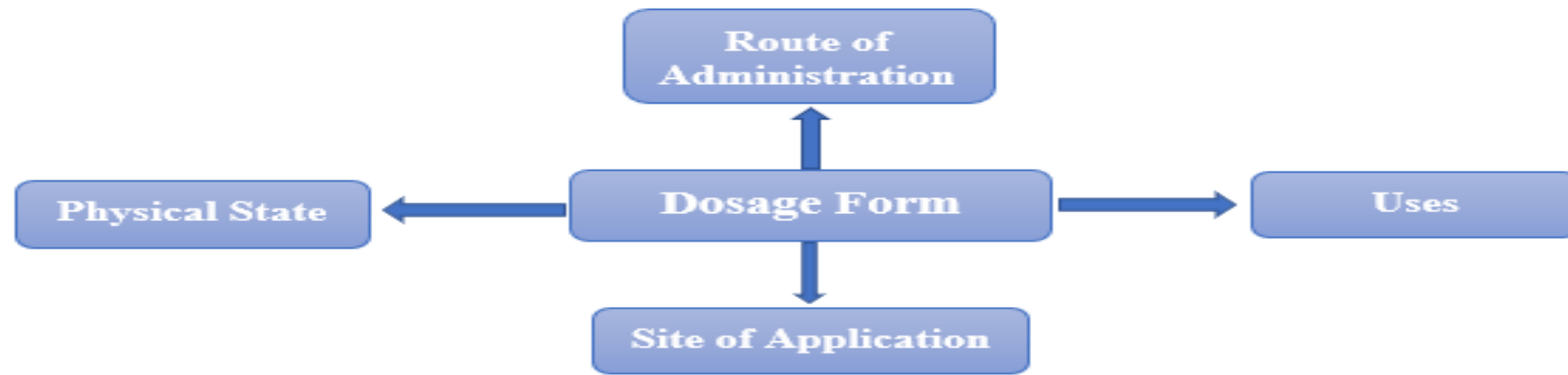
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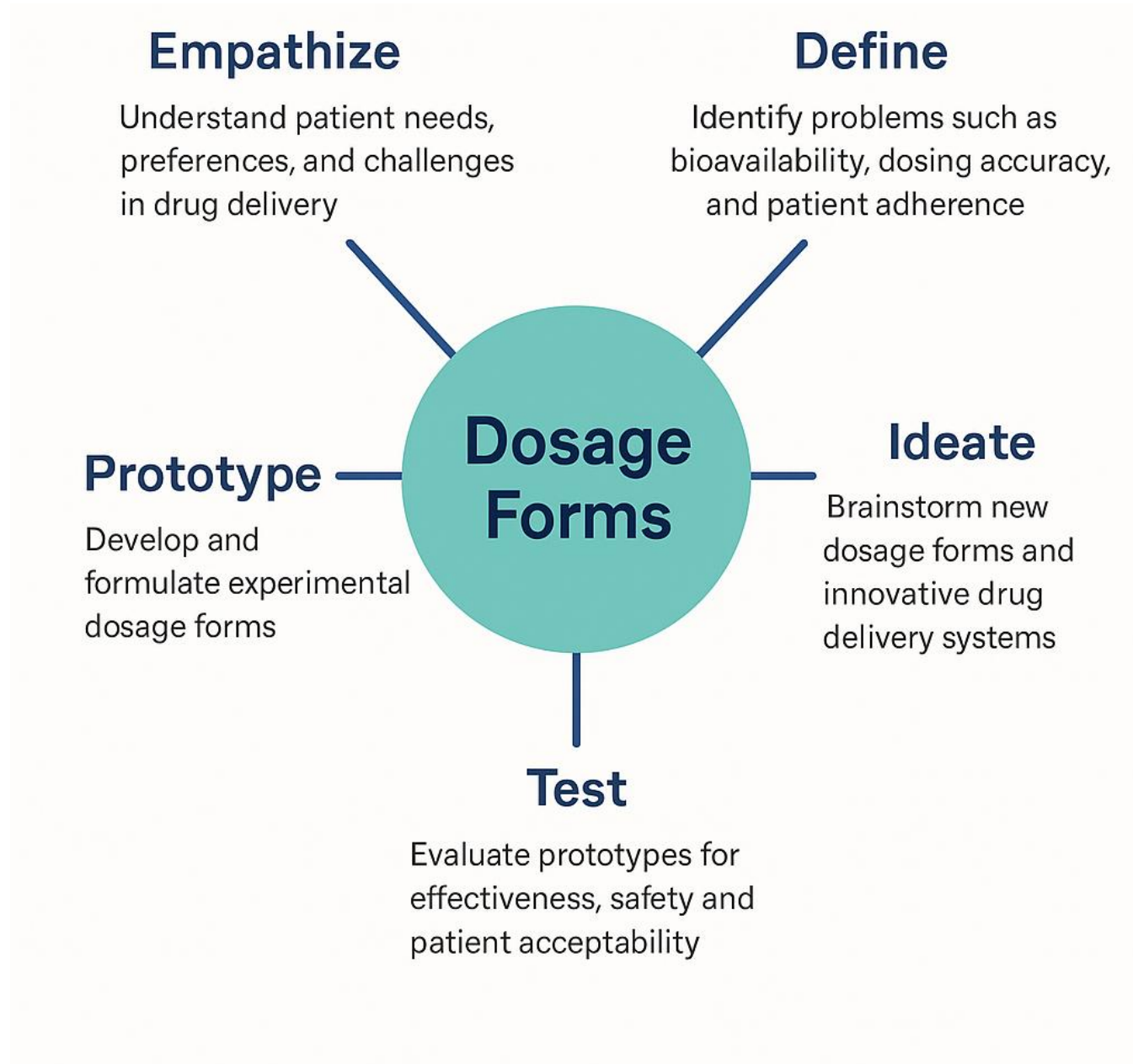
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COURSE NAME: PHARMACEUTICS I

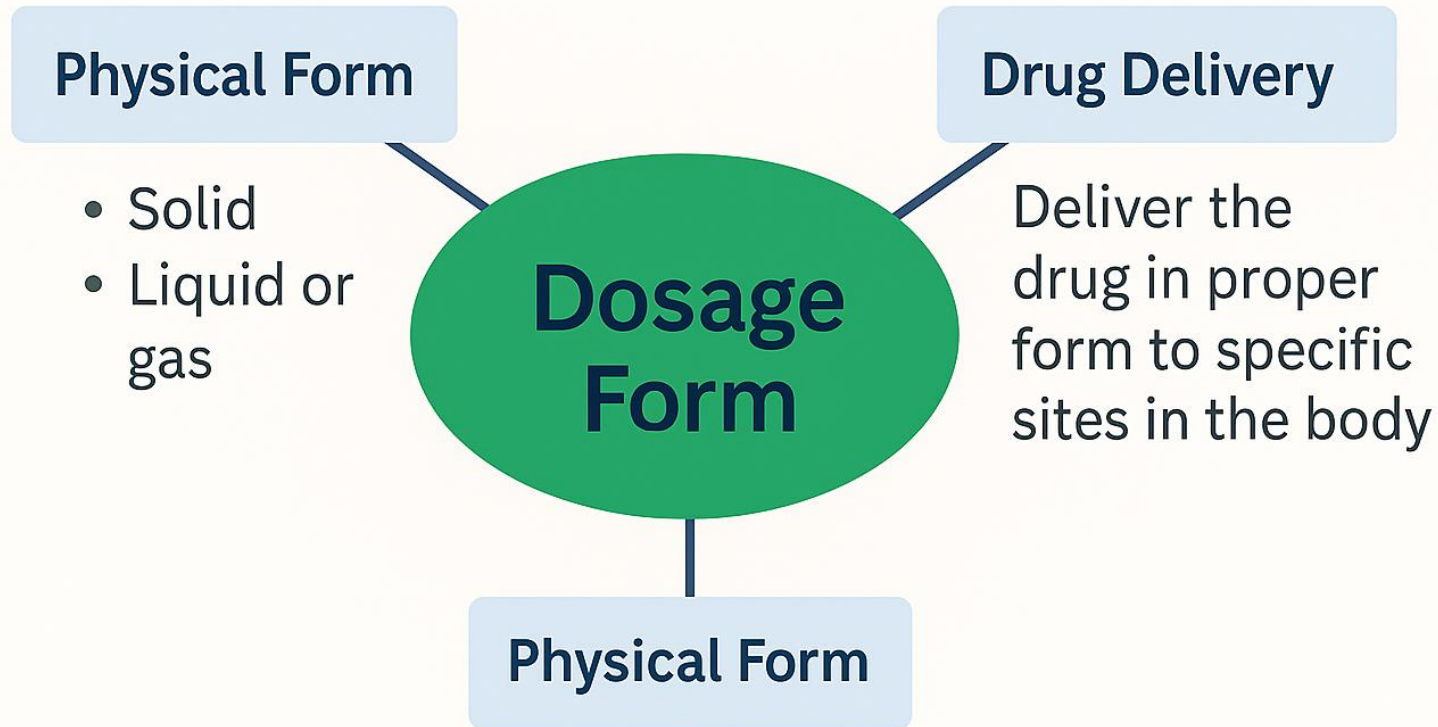
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**TOPIC: PHARMACEUTICAL DOSAGE
FORMS-INTRODUCTION, MONOPHASIC**

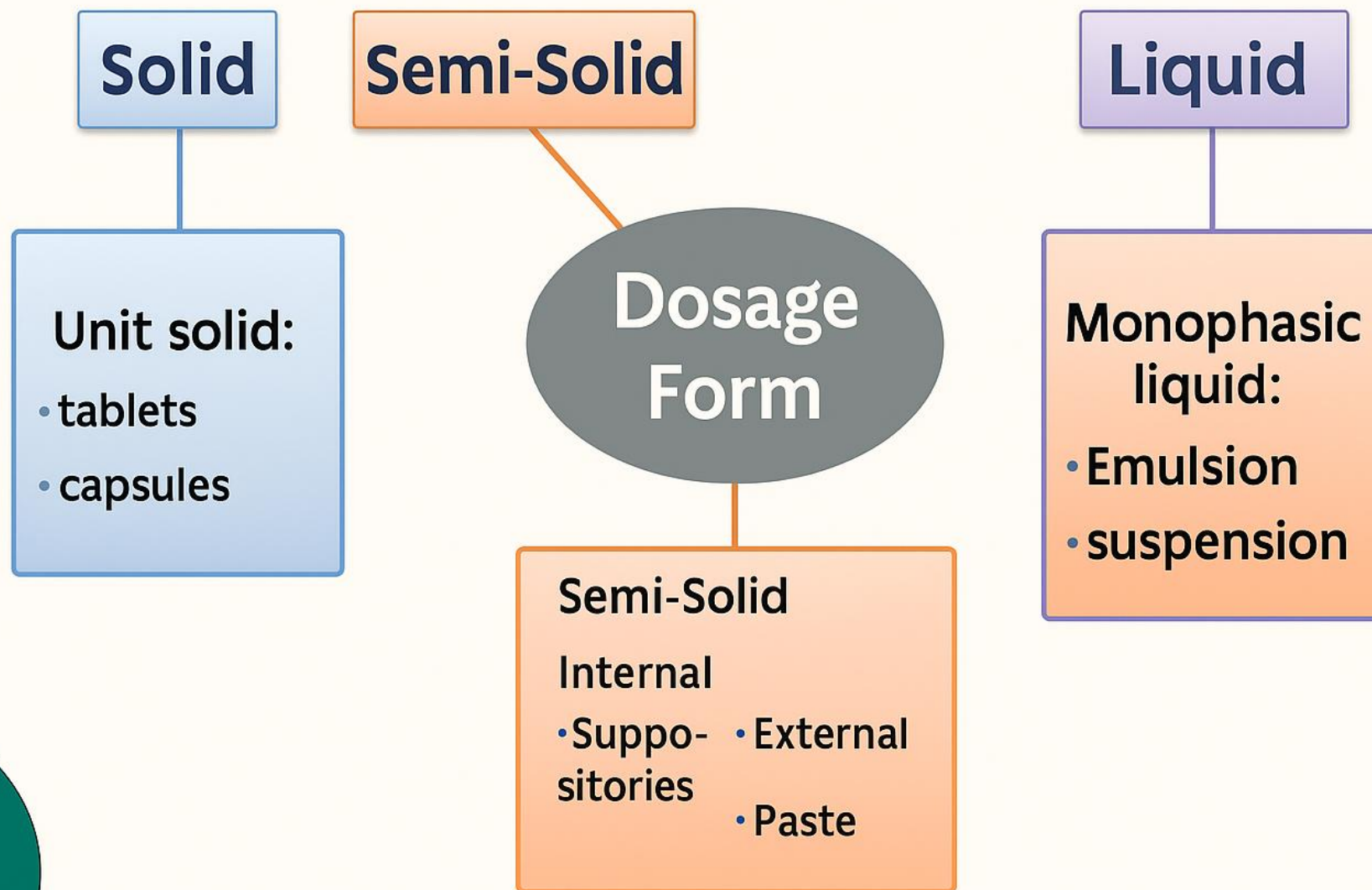




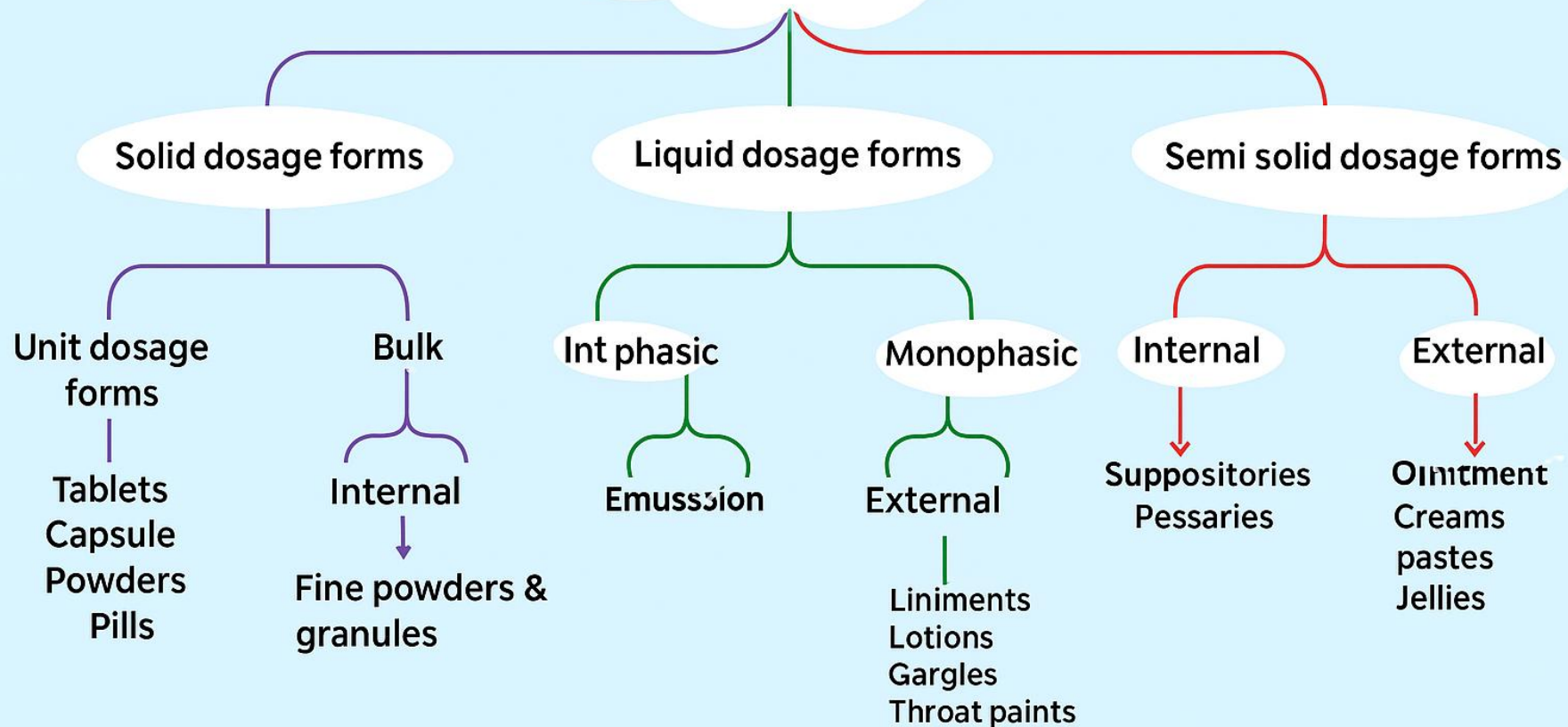
What is a Dosage Form?



CLASSIFICATION



Classification



What is the need of a dosage form ?



Protection

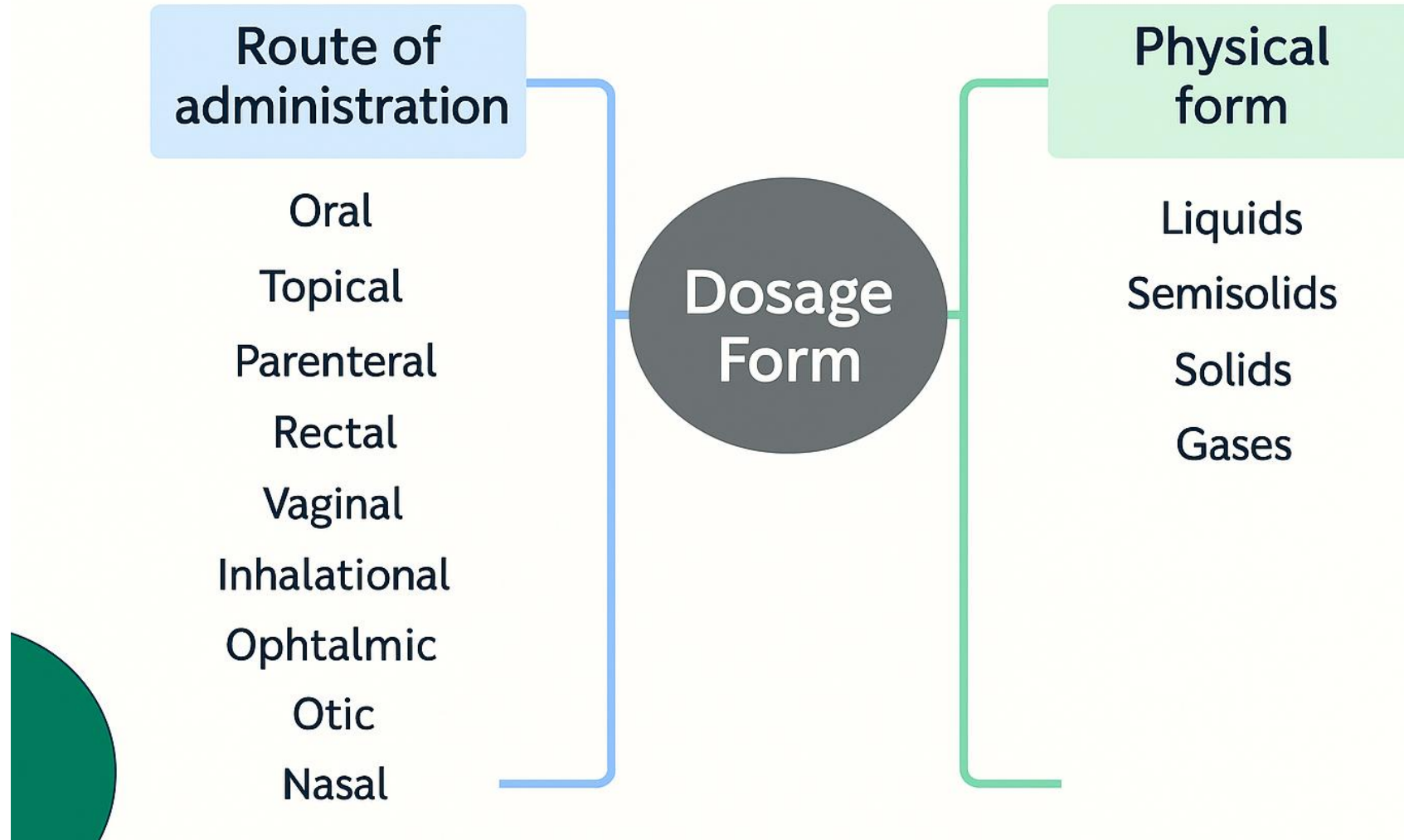
1. Protection from external environment eg. coated tablets and sealed ampoules.



To improve therapeutic activity

1. To provide optimal drug action directly to the site of action eg ointments.
2. To place the drug directly in to the orifices eg. Rectal and vaginal dosage forms
3. To provide optimal drug action in the blood stream eg Injections
4. To provide rate controlled drug action eg modified release dosage forms

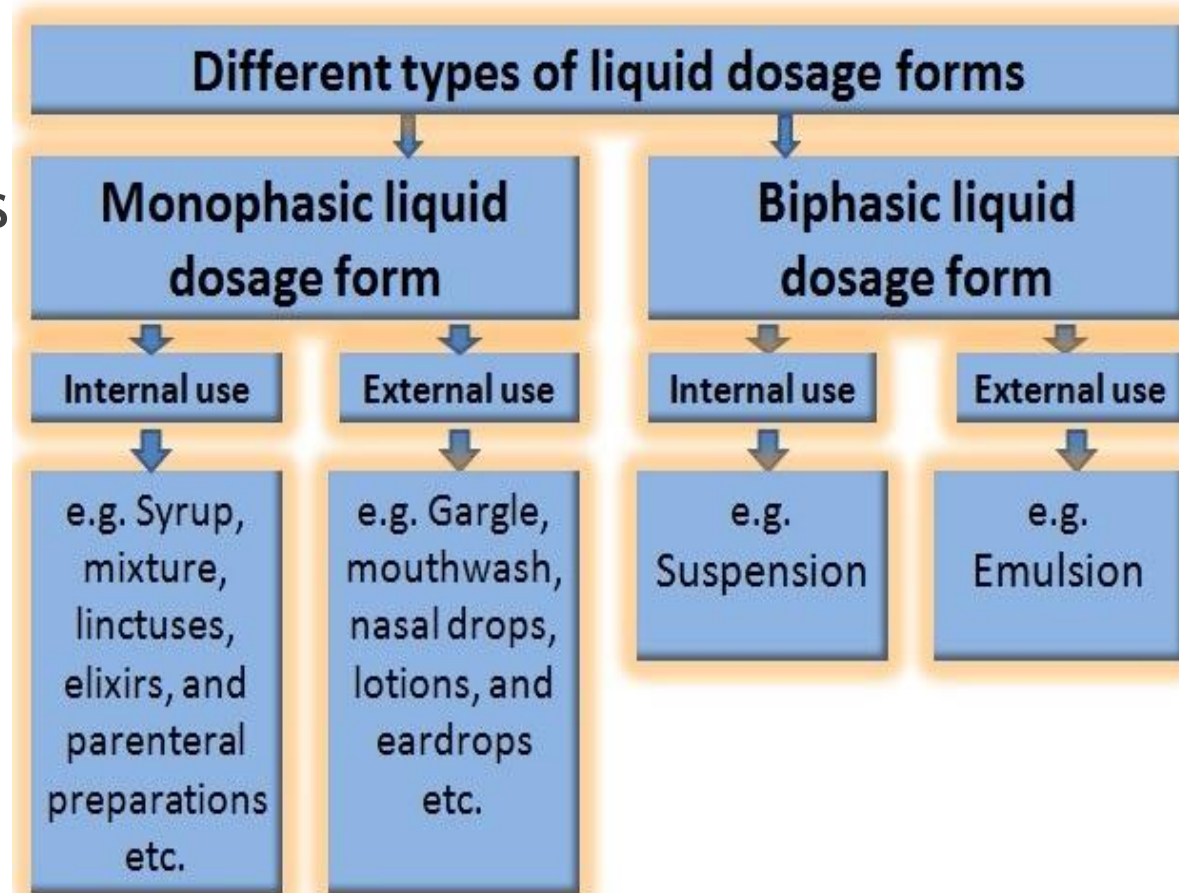
Classification of Dosage forms



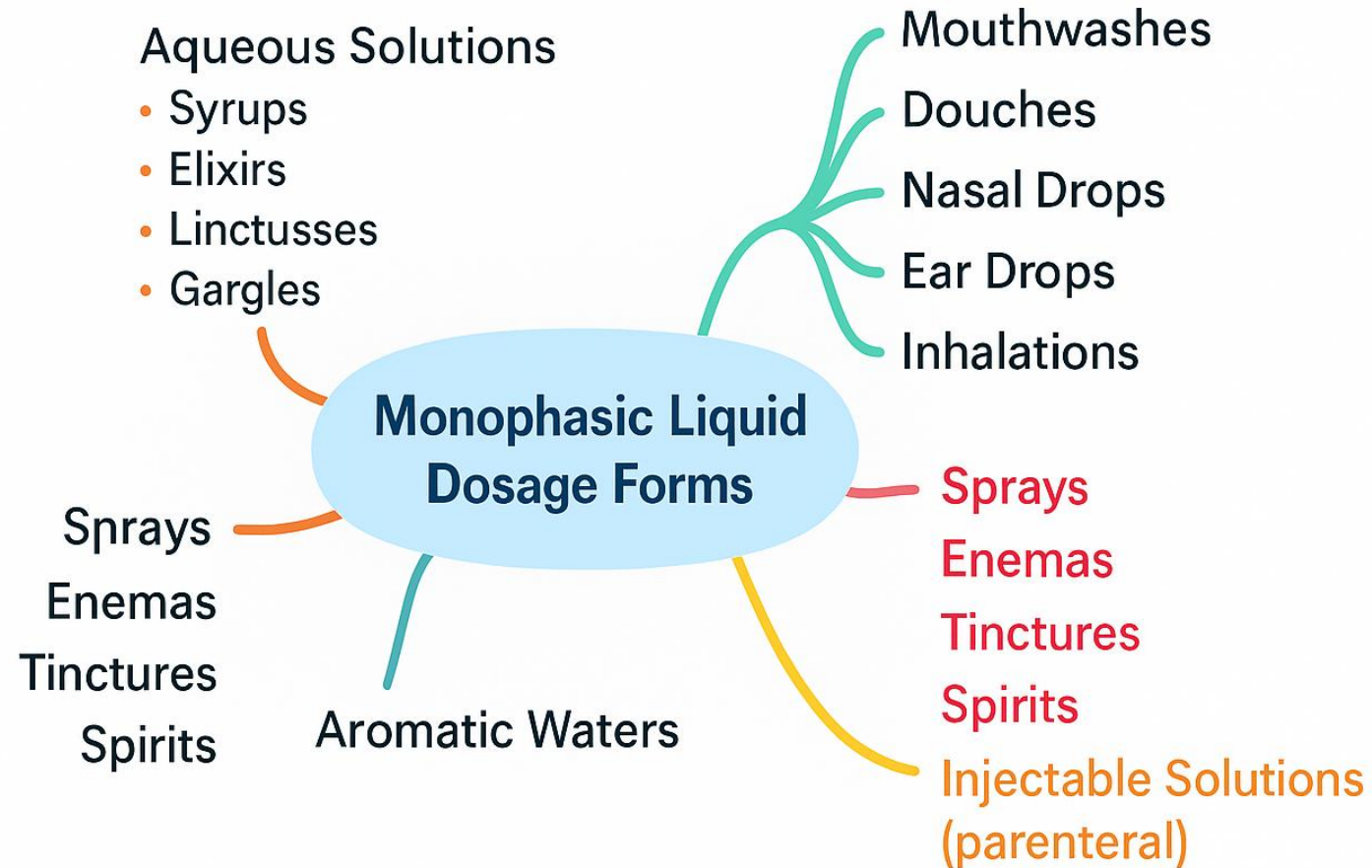
Classification of Liquids

Liquid dosage forms can be classified into 2 major classes i.e.

- Monophasic liquids
- Biphasic liquids

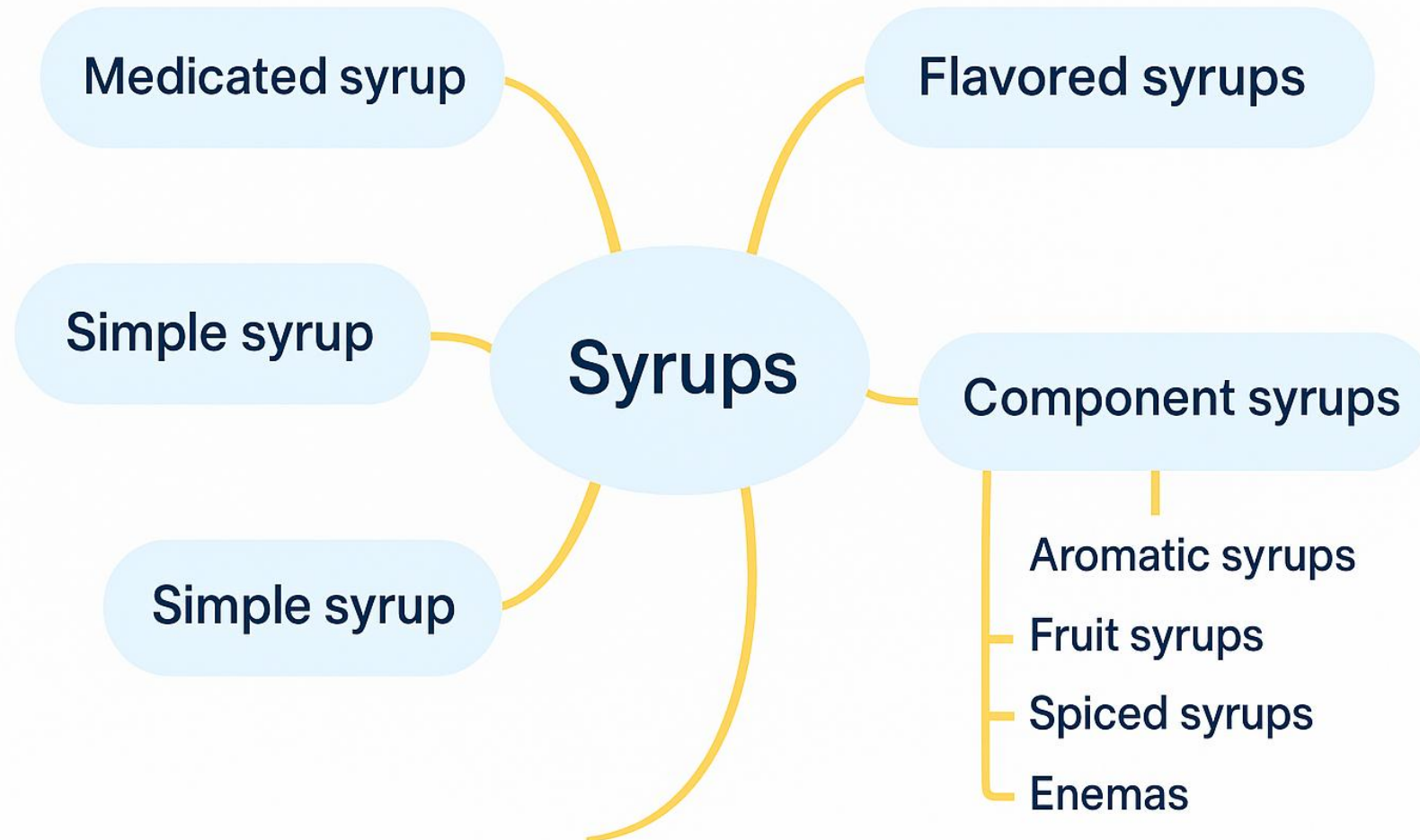


Monophasic Liquid Dosage forms



Monophasic liquids (Solutions)





SYRUPS



Solutions and Elixirs

Solutions

Definition: Liquid preparations containing one or more dissolved substances

Common solvents:
Water or aqueous base used, sometimes alcohol or glycerin

Elixirs

Definition: Sweetened, flavored solutions of alcohol and water

Alcohol content:
5-40% alcohol, acts as solvent and preservative



LINCTUSES

Linctuses

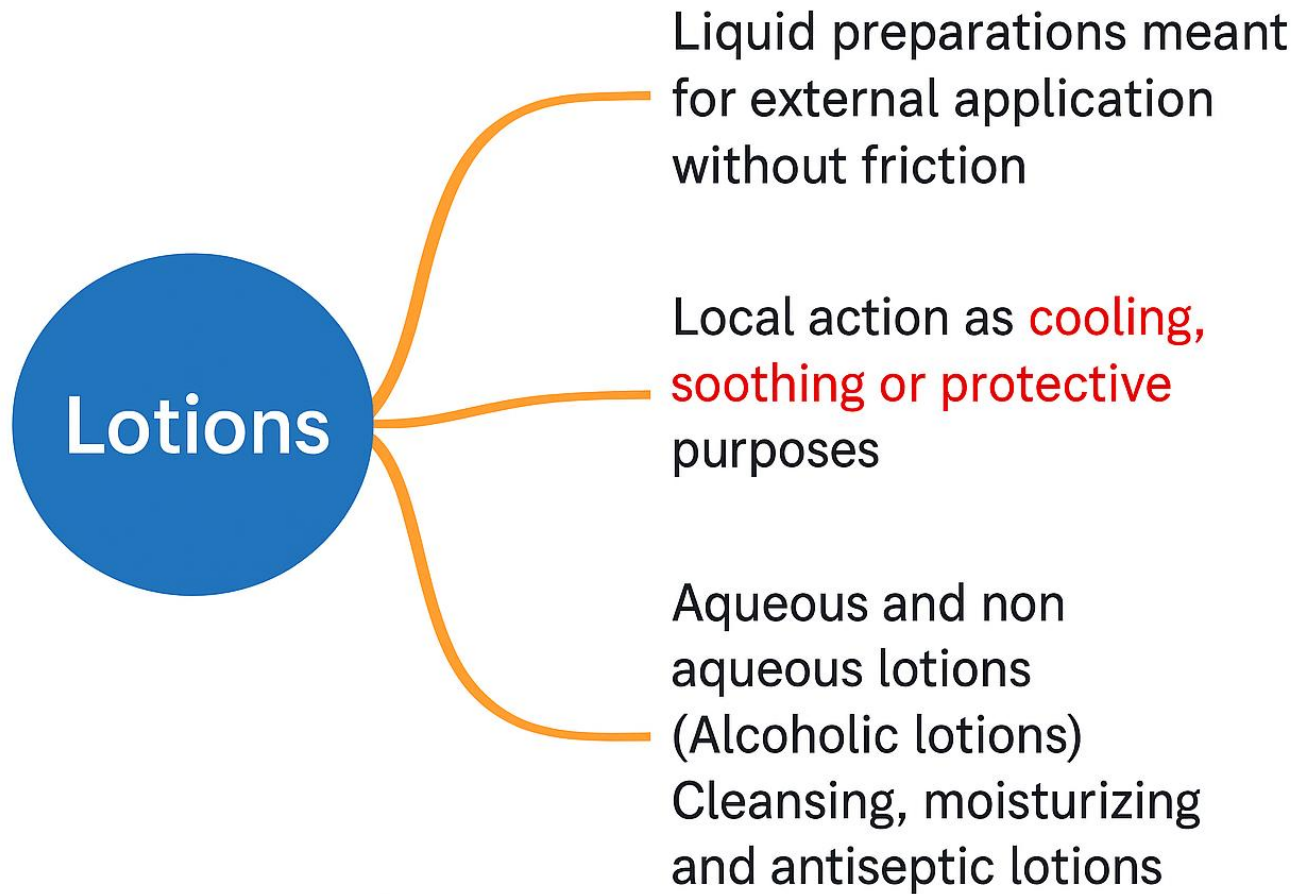
Viscous, liquid oral preparations generally prescribed for cough relief, e.g.: Codeine Linctus

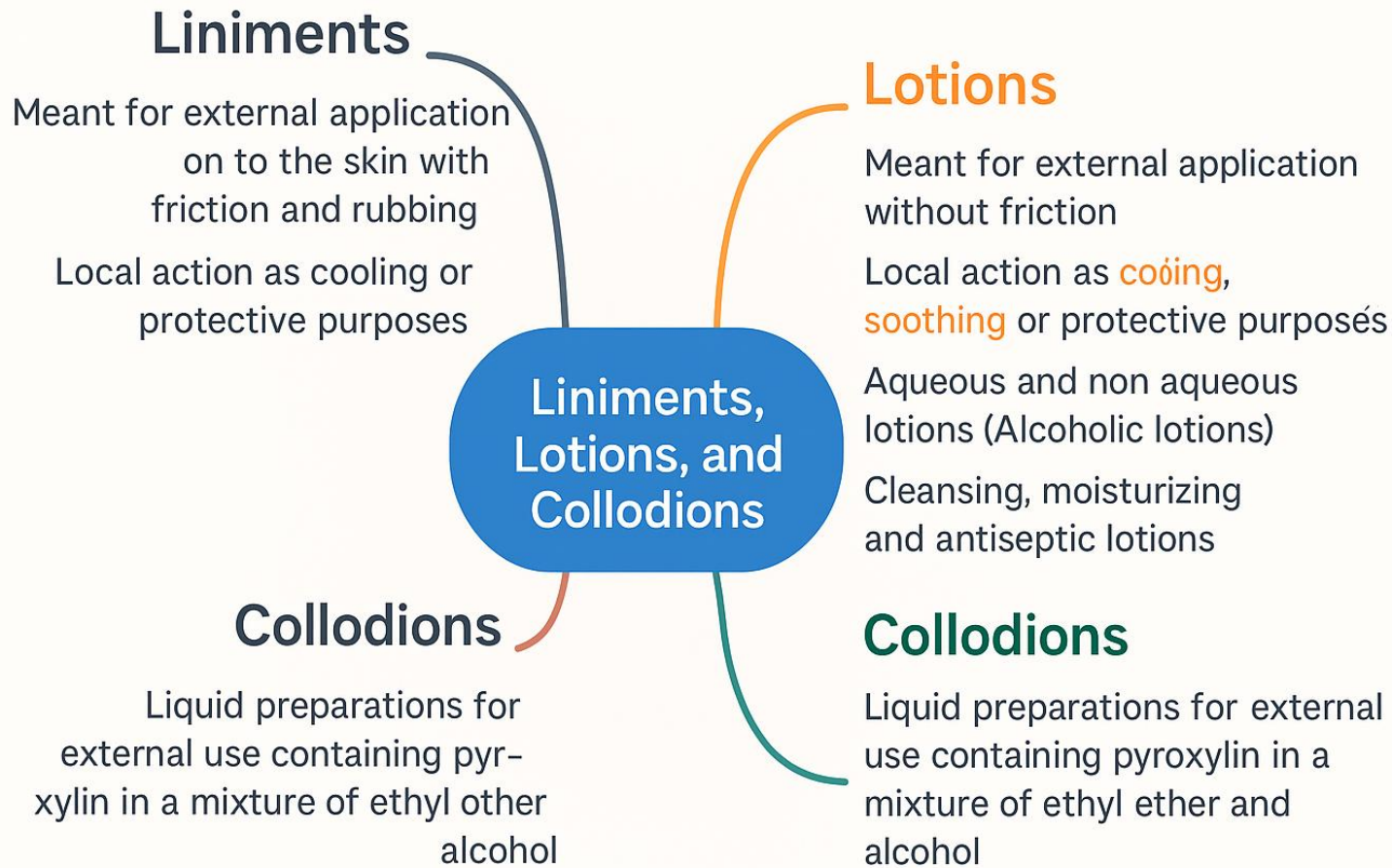
Contains demulcent, sedative & expectorant medicaments

5 mL small dose volume sipped and swallowed slowly



LOTIONS





GARGLES



MOUTH WASHES



THROAT PAIN



DOUCHES



EAR DROPS



NASAL DROPS



EYE DROPS



ENEMAS





Assessment

- **Which of the following** is an example of a solid dosage form?
a) Syrup b) Tablet c) Ointment d) Injection
- **What is the main purpose** of coating a tablet?
a) To increase cost b) To protect from moisture and gastric juice
c) To change color d) To increase hardness
- **Which dosage form** is designed for **local application to the skin**?
a) Capsule b) Ointment c) Elixir d) Suppository
- **Modified release dosage forms** are mainly used to:
a) Deliver the drug rapidly
b) Control the rate and duration of drug release
c) Increase toxicity d) Improve taste
- **Bioavailability** of a drug can be improved by:
a) Poor formulation design b) Use of gastro-retentive dosage forms
c) Incomplete dissolution d) Light exposure

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THANK YOU