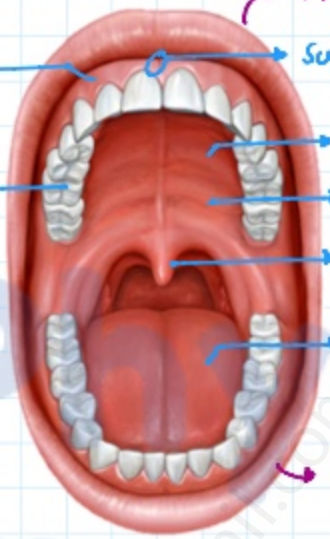
Digestion in Oral Cavity

Mouth → Opening of Oral Cavity

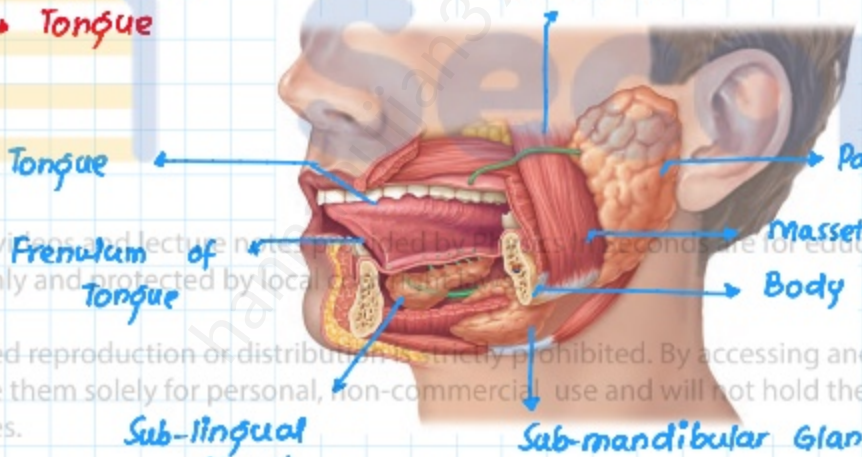


GLANDS :
- Sub-lingual glands
- Sub-mandibular glands
- Parotid glands

ORAL CAVITY and SALIVARY GLANDS

FLOOR :
- Mandible
- Tongue

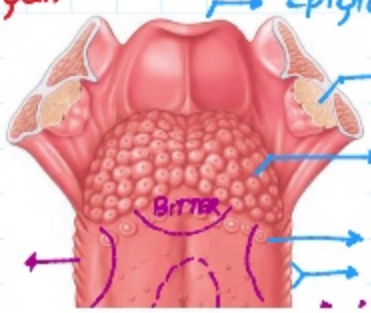
- Cleanses mouth
- Tasted / Dissolve
- Moistening of food



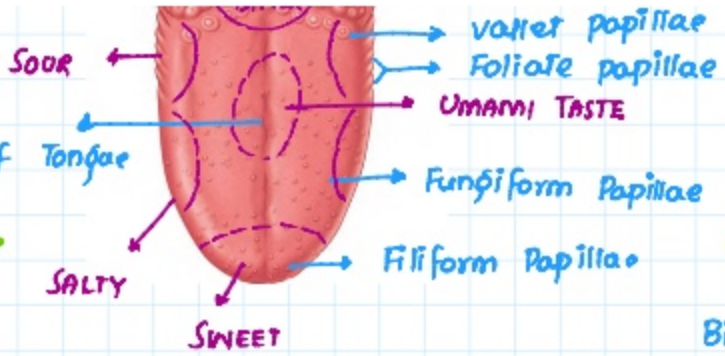
ROOF OF ORAL CAVITY
- Palate
  - Hard
    - Maxilla
    - Palatine
  - Soft

Tongue → muscular Organ
- Origin (Hyoid)
- Insertion (Free)

TASTE → Gustation



TASTE → Gustation



GLANDS:
- Medial Sulcus of Tongue
- Ebner's Glands → Lingual Lipase

ORDER OF SENSITIVITY
Bitter > Sour > Salt > Sweet

Teeth → Two Sets of Teeth

- **DECIDUOUS TEETH**
  Milky Teeth → (20)
- **PERMANENT TEETH**
  → 32 Teeth

$I_{2/2}$. $C_{1/1}$. $P_{2/2}$. $M_{3/3}$

DENTAL FORMULA *

- Incisors (Chisel Shaped) → Cutting
- Canions (Triangular Shaped) → Tearing
- Pre-Molars
- Molars

→ Grinding of food

Salivary Glands

Sub-lingual
- Below Tongue
- Smallest
- Saliva + Mucus

Sub-mandibular
- Behind Jaws
- medium
- Saliva + Mucus + Amylase

Parotid
- Front of Ears
- Largest
- Saliva + Amylase (Ptyaline)

Fresh Saliva (Alkaline) 08 → **SALIVA** → (Acidic) 06 Stale Saliva

Ptyaline	Lysozyme	$NaHCO_3$	Mucin	Chloride	H_2O
↓	↓	↓	↓	↓	↓
Breakdown of Starch	Breakdown	pH Stabilizer	Proteoglycan	Stimulate Secretion of Ptyalin	lubricant

Functions of Oral Cavity

- **SELECTION** → SENSES (Vision, Smell, Hearing, Taste)

- **MASTICATION** → Masseter Muscles + Temporalis Muscles
- **LUBRICATION** → SALIVA
- **DIGESTION** → Chemical (Saliva) + Mechanical (Mastication)