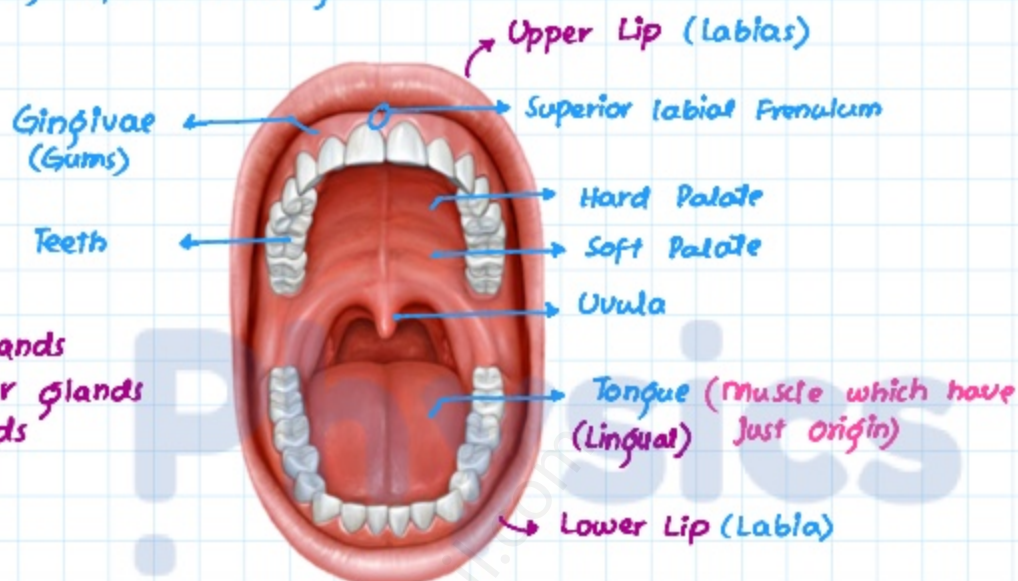


## Digestion in Oral Cavity

**Mouth** → Opening of Oral Cavity

### GLANDS:

- Sub-lingual glands
- Sub-mandibular glands
- Parotid glands

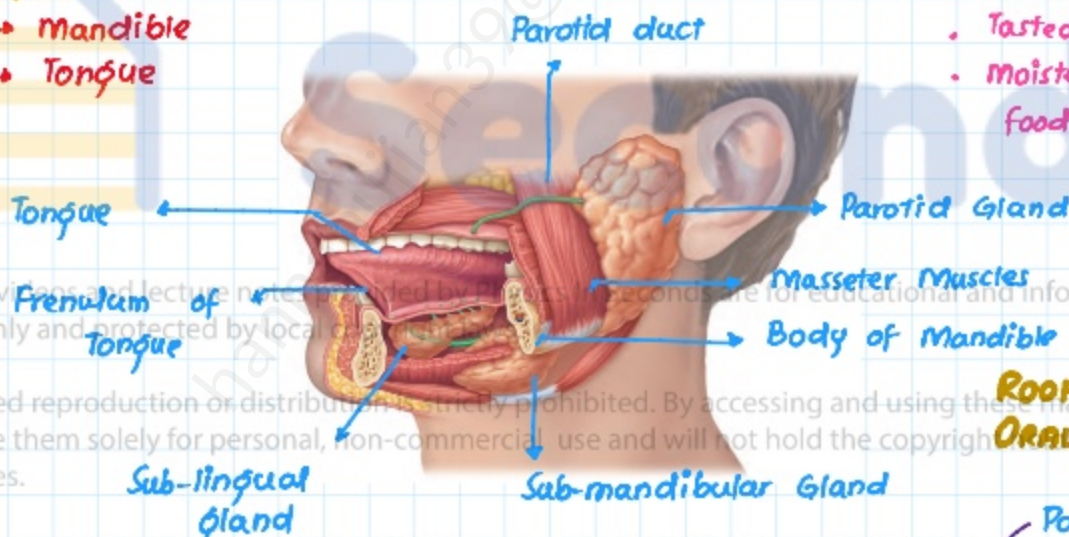


## ORAL CAVITY and SALIVARY GLANDS

### FLOOR:

- Mandible
- Tongue

- Cleanses mouth
- Tasted / Dissolve
- moistening of food



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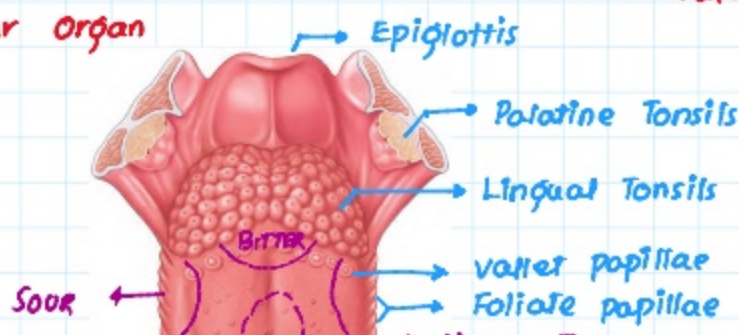
### ROOF OF ORAL CAVITY

- ↓ Palate
  - Hard
    - maxilla
    - Palatine
  - Soft

**Tongue** → muscular organ

Origin (Hyoid)      Insertion (Free)

**TASTE** → Gustation





**TASTE** → Gustation

**GLANDS:**

→ Ebner's Glands

Lingual Lipase

Medial

Sulcus of Tongue

Sour

SALTY

SWEET

Vallate papillae

Foliate papillae

UMAMI TASTE

Fungiform Papillae

Filiform Papillae

→ Papillae

**ORDER OF SENSITIVITY**

Bitter > Sour > Salt > Sweet

**Teeth** → Two Sets of Teeth

• **DECIDUOUS TEETH**

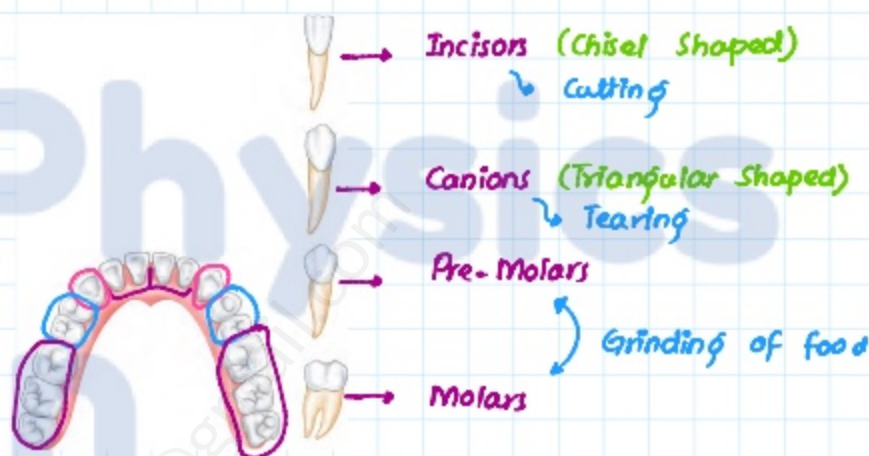
Milky Teeth → 20

• **PERMANENT TEETH**

32 Teeth

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

**DENTAL FORMULA**



### 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)

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Ptyaline

Breakdown of Starch

Lysozyme

Breakdown

$NaHCO_3$

pH Stabilizer

Mucin

Proteoglycan

Chloride

Stimulate Secretion of Ptyalin

$H_2O$

lubricant

### Functions of Oral Cavity

• **SELECTION**

→ SENSES (Vision, Smell, Hearing, Taste)

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



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