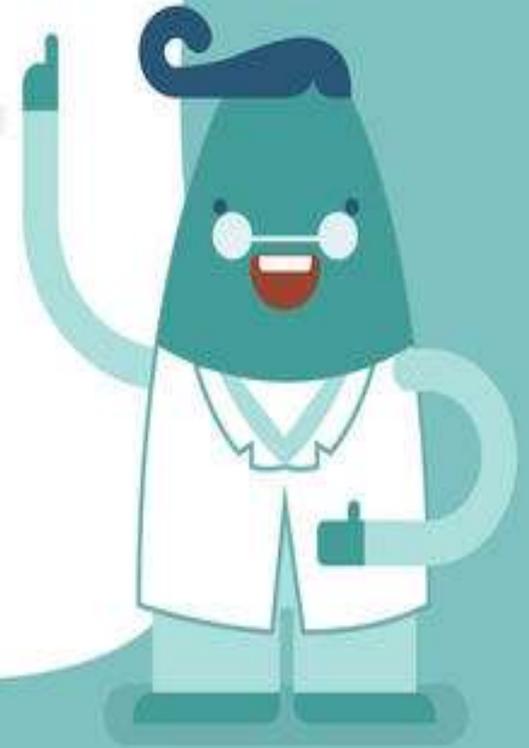


Dental physiology and tooth form(Lec 2)

dreamstime.



Physiology: *it* is the science that study the function of organs and parts during life.

- **Human teeth have two major functions during life:**

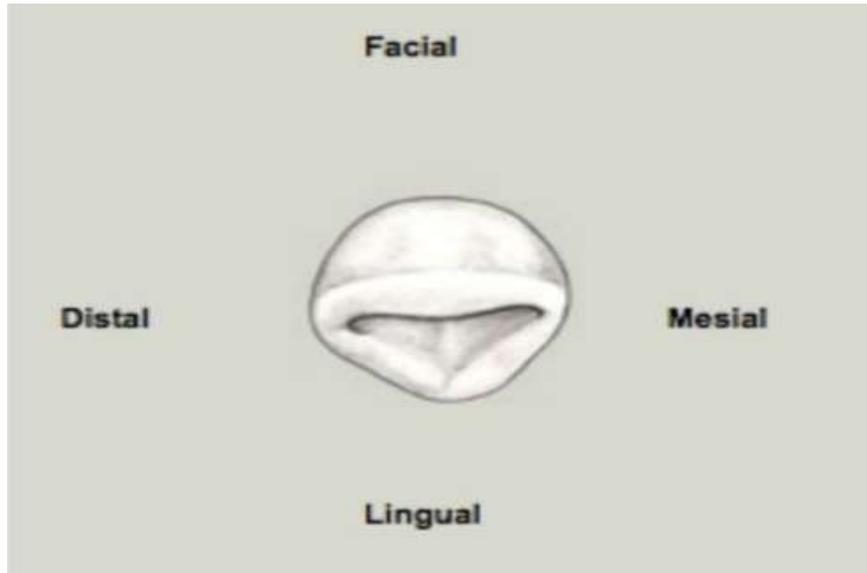
1-they incise and reduce food material during mastication.

2-They aid in speech and formation of words .

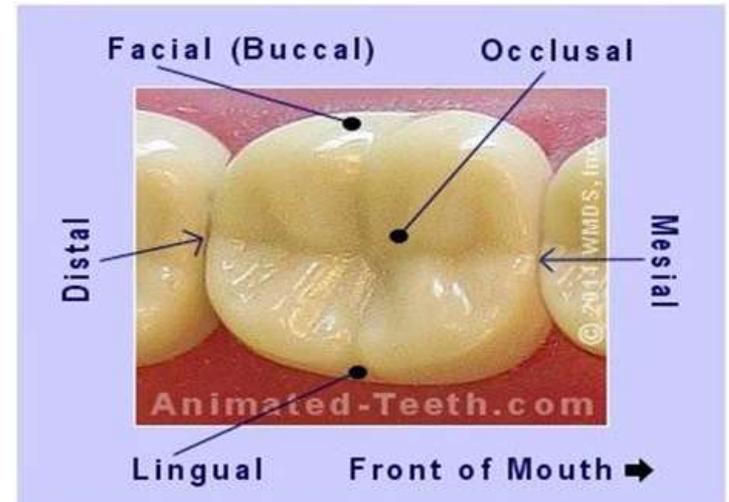
3-they help to sustain themselves in the arches by assisting in the development and protection of the tissues that support them.

Surfaces and ridges of the teeth .

The crowns of incisors and canines have 4 surfaces .



The crown of premolars and molars have 5 surfaces

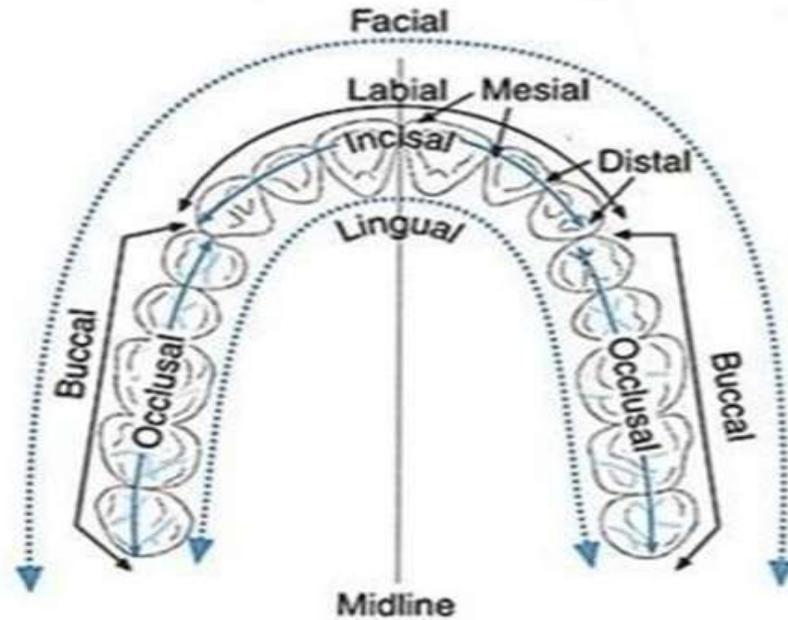


The surfaces of teeth :-

1. The facial surfaces:

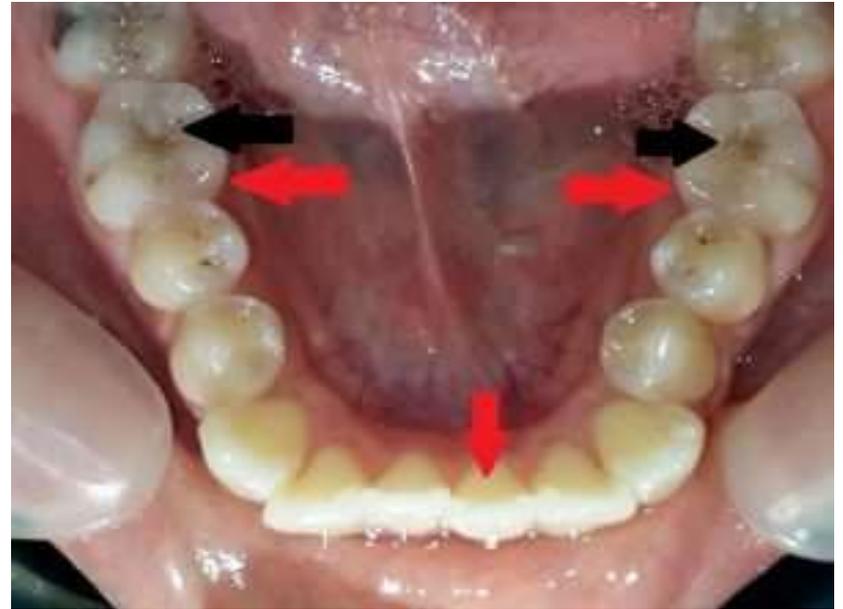
A. Labial surface :is the surface towards the lip in the anterior teeth.

B. Buccal surface: is the surface towards the cheek in the posterior teeth.



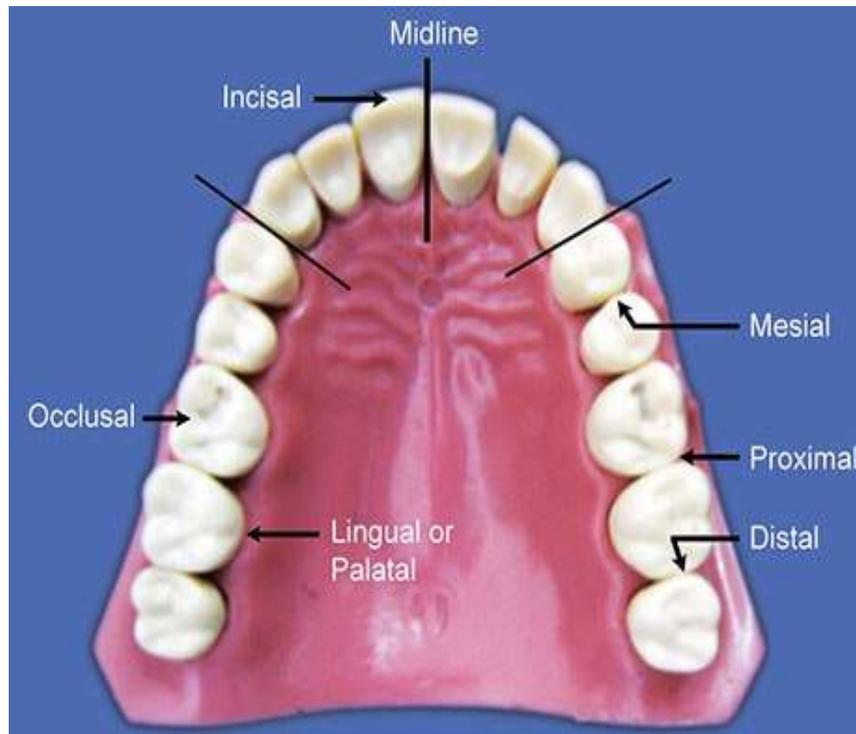
2. Lingual surface: is the surface facing the tongue (all teeth).

3. Palatal surface : is the surface facing the palate in upper arch only only



4. Occlusal surface: is found in the posterior teeth when are contact with teeth in opposite jaw during the mouth is close.

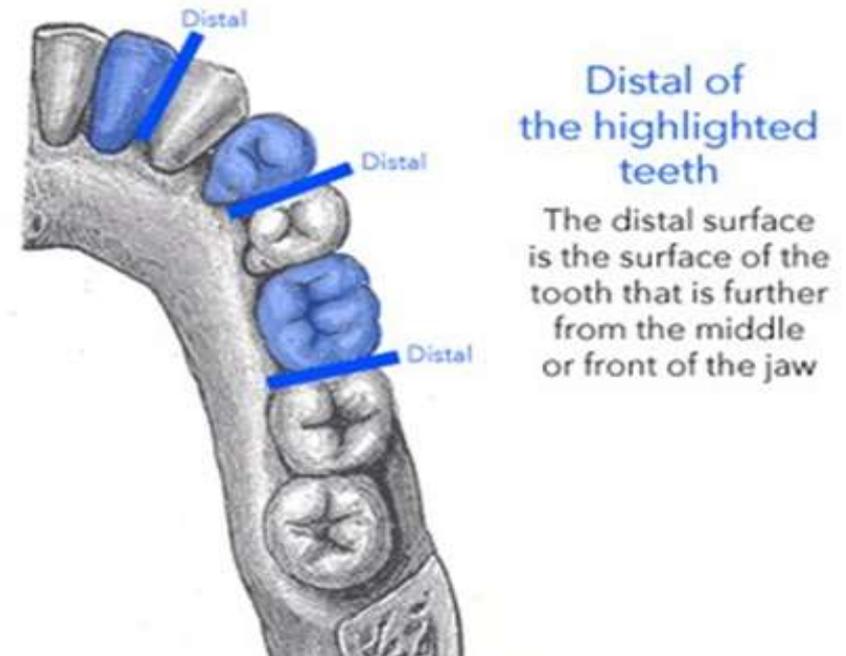
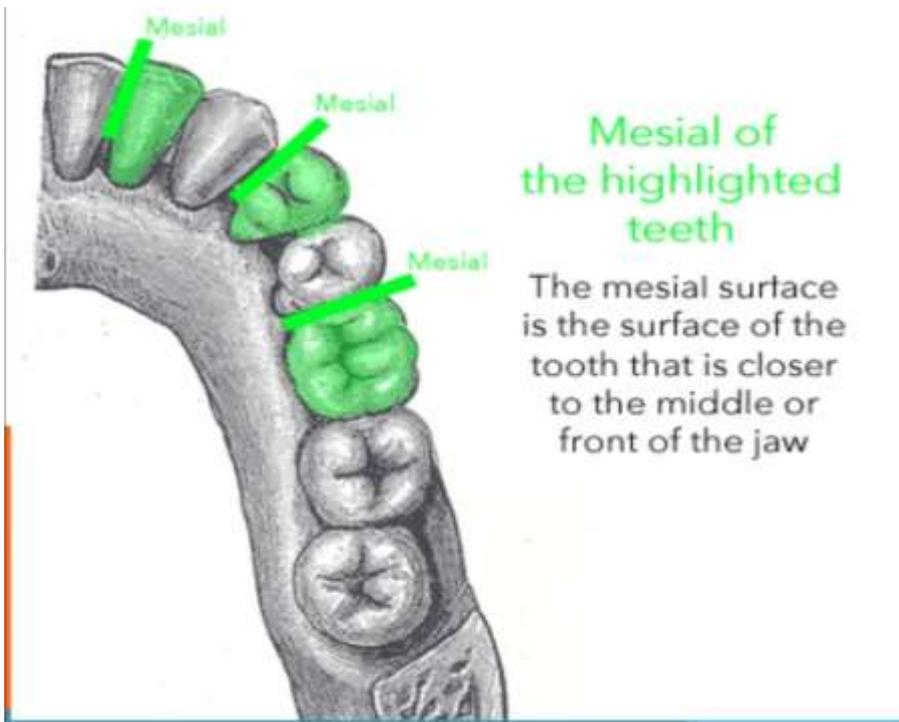
Note :-The anterior teeth not have surface but have ridge is called (Incisal ridge).



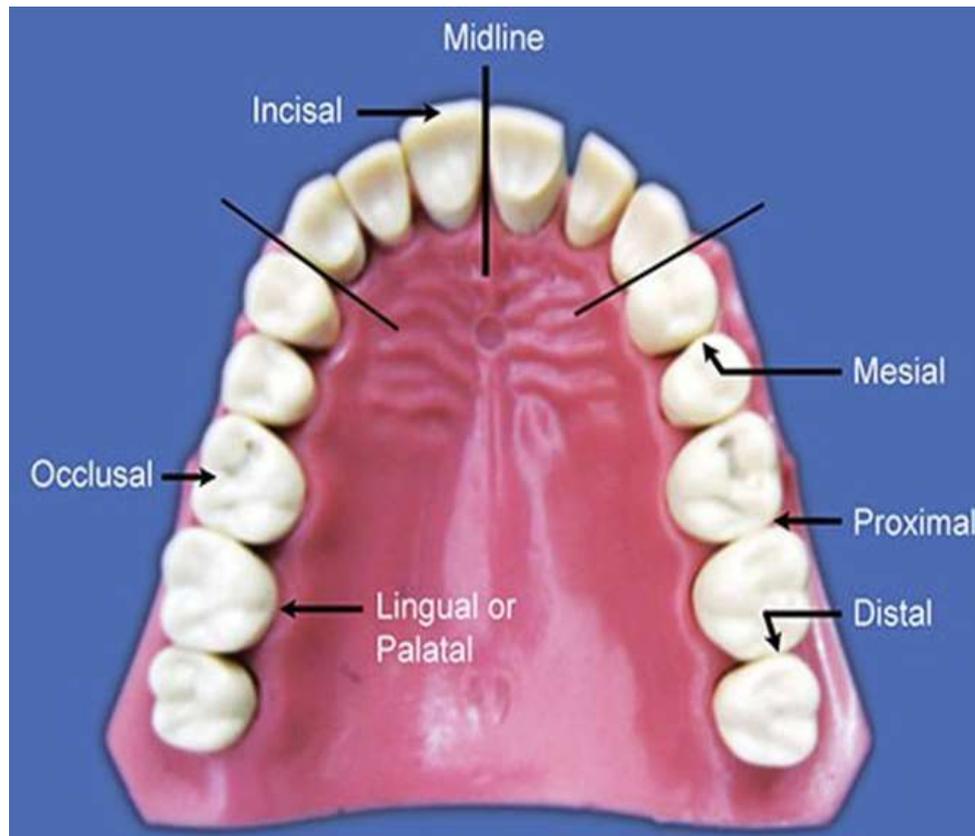
5. Proximal surface: is the surface of the tooth facing the adjacent teeth in the same dental arch:

A. Mesial surface: is the surface near the median line.

B. Distal surface: is the surface far from the median line.



Note :-all the teeth have mesial surfaces touch the distal surfaces of adjacent tooth except the upper and lower central Incisors.

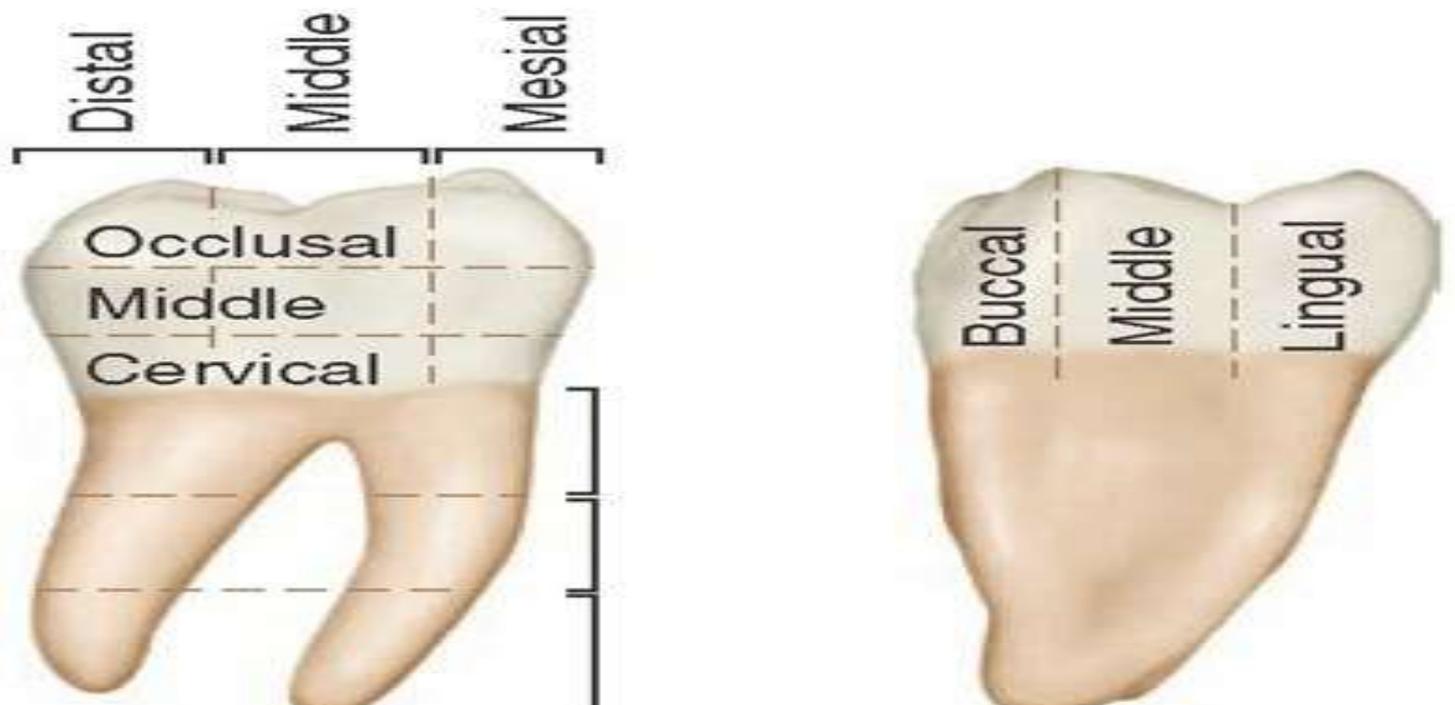
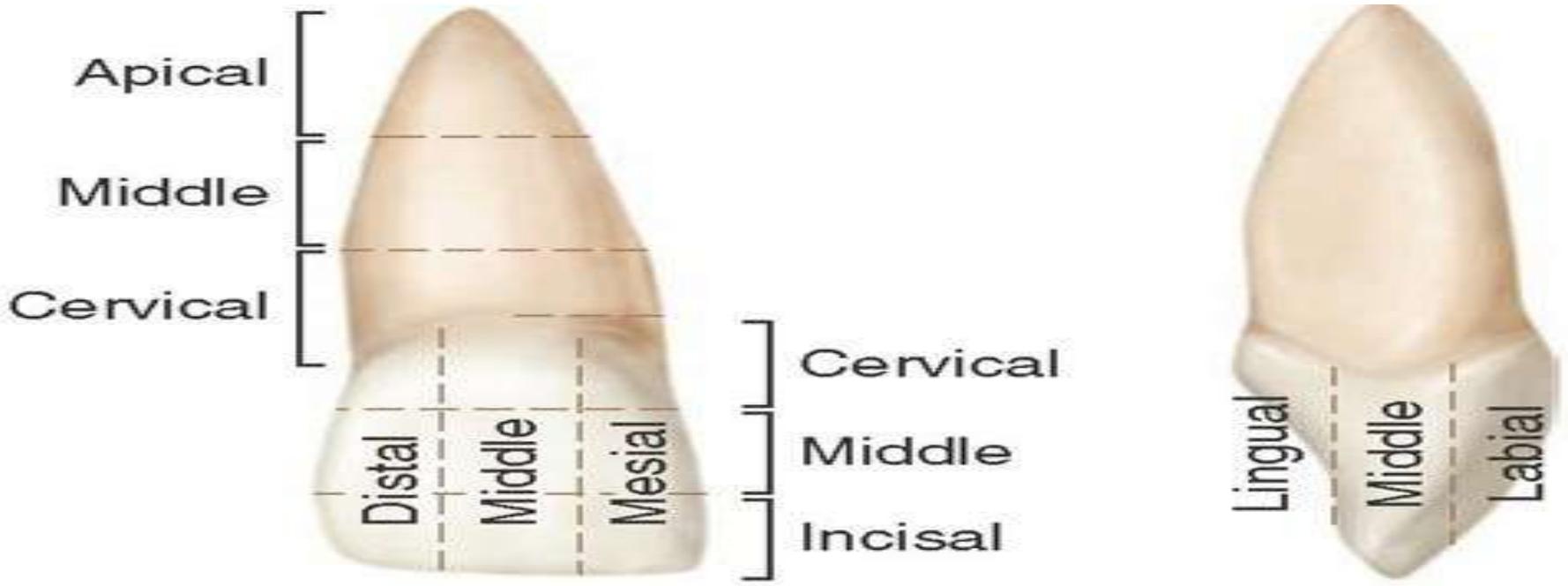


Division of the crown into thirds : For description ,the crown & the root are divided into 3 thirds according to the position of the surface .

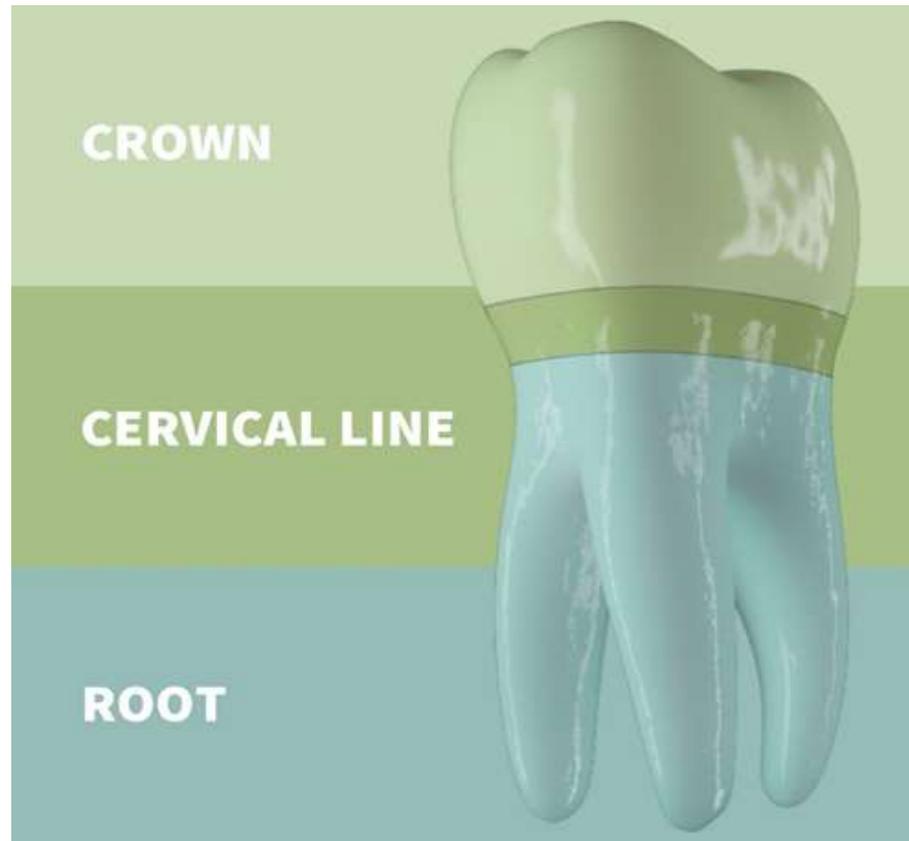
Incisal 1/3: It is that part of tooth which is located between incisal edge & middle third .

Middle 1/3: It is that part of the tooth which is located between incisal third & cervical third.

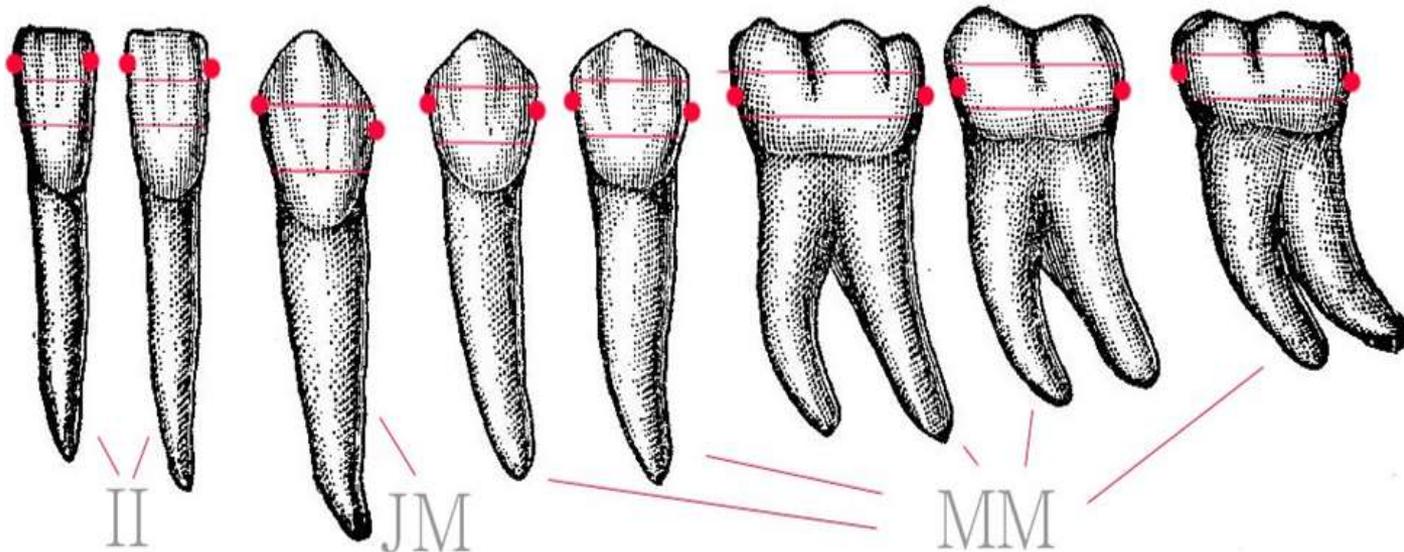
Cervical 1/3:It is that part of the tooth which is located between middle third & cervical line.



Cervical line: The line junction between enamel that cover crown & cementum that cover the root ,called Cemento-enamel junction).

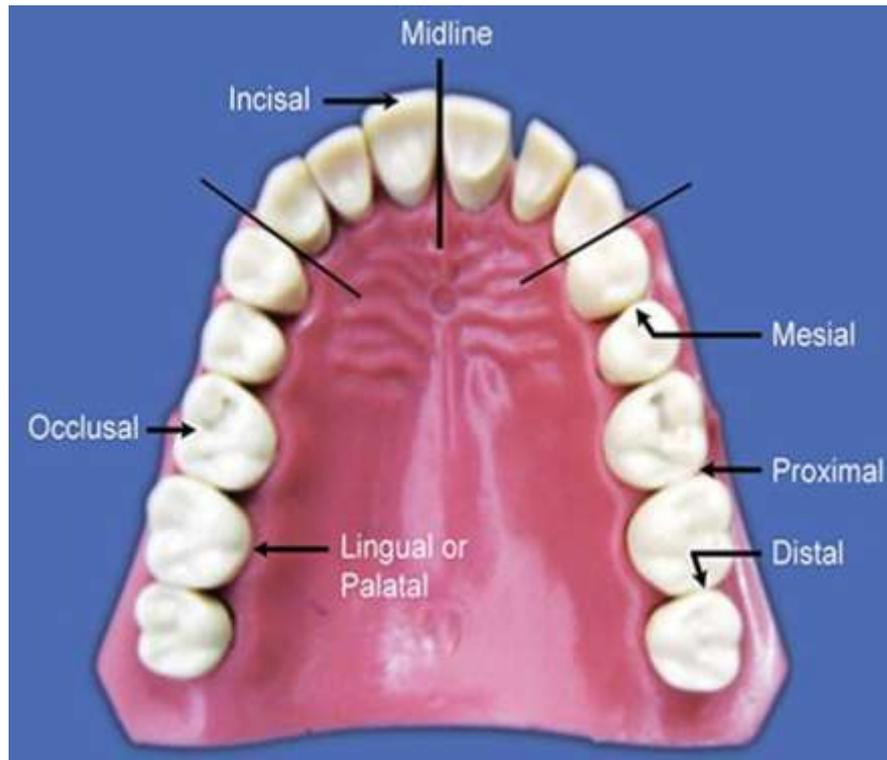


Contact area: that area in mesial or distal surface of the tooth which touches its neighboring tooth in the arch . all teeth have mesial and distal contact area except the last molar which have only mesial contact area. In posterior teeth called contact area while in anterior teeth called contact point .



The function of contact area :

- 1- Protective ,It serves to keep food from being trapped between the teeth
2. It helps to stabilize the dental arches by the combined anchorage of all the teeth in either arch in positive contact with each other



thank
you

