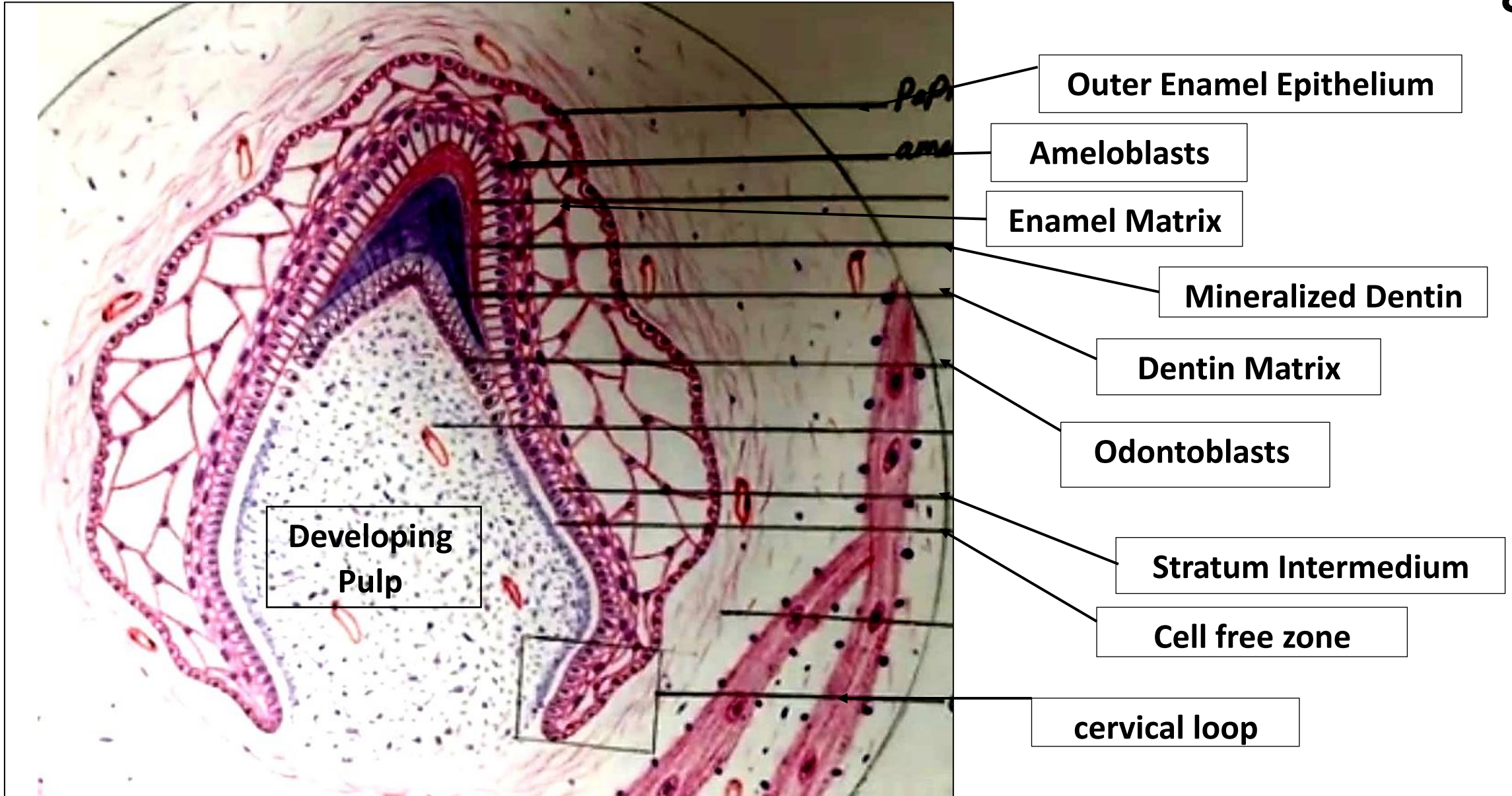


Tooth Development

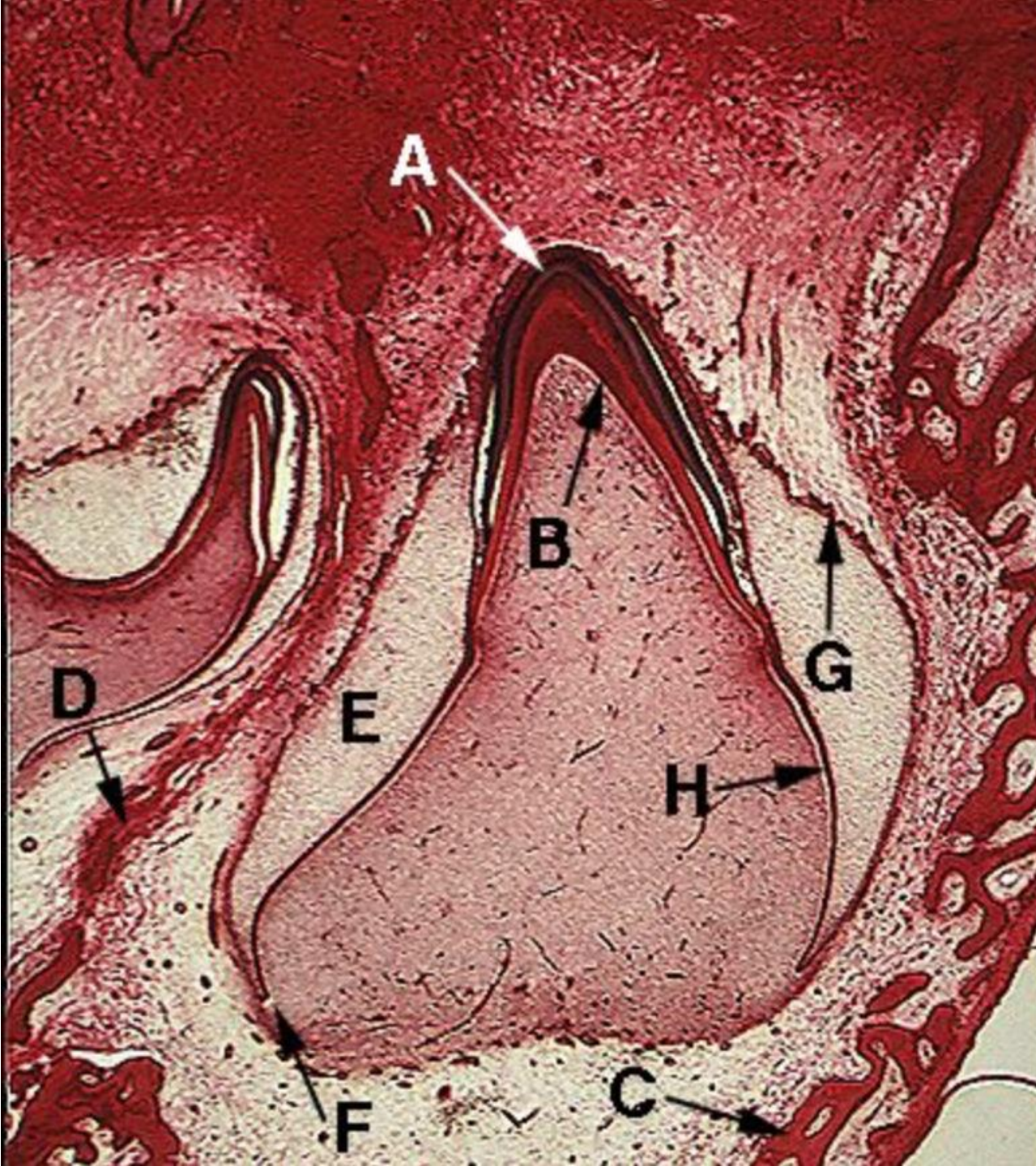
Prepared by
Dr. Wafaa Yahia ALghonemy
Lecturer of Oral Biology

Late Bell Stage



Late Bell Stage





A:enamel matrix

B:dentin

C:alveolar bone socket

D:dental septum

E: stellate reticulum

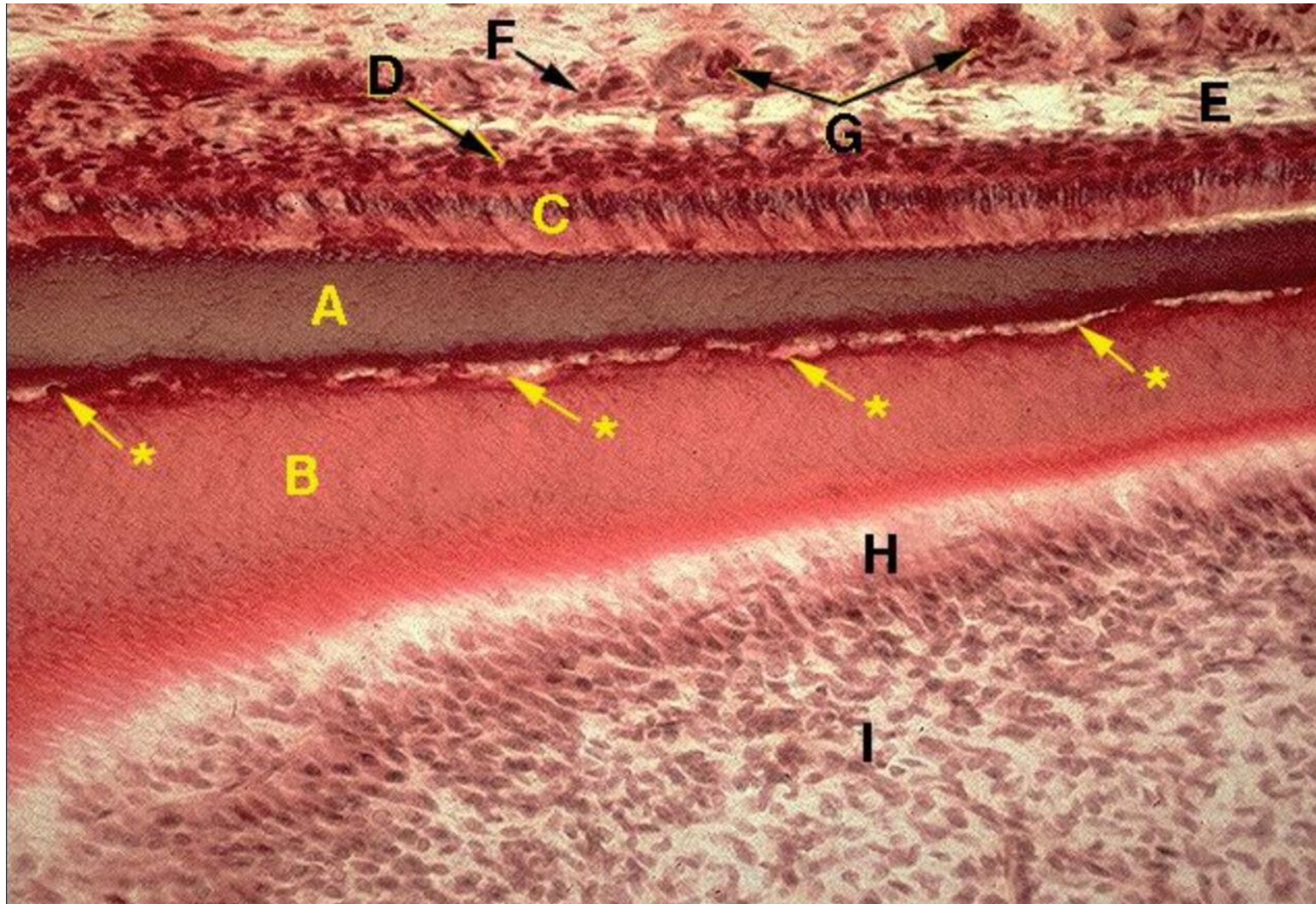
F:cervical loop

G: OEE

H:IEE

Late Bell Stage





A:enamel

B:dentin

C:ameloblast

D:stratum intermediate

E: stellate reticulum

F:OEE

G: blood vessels

H:odontoblast

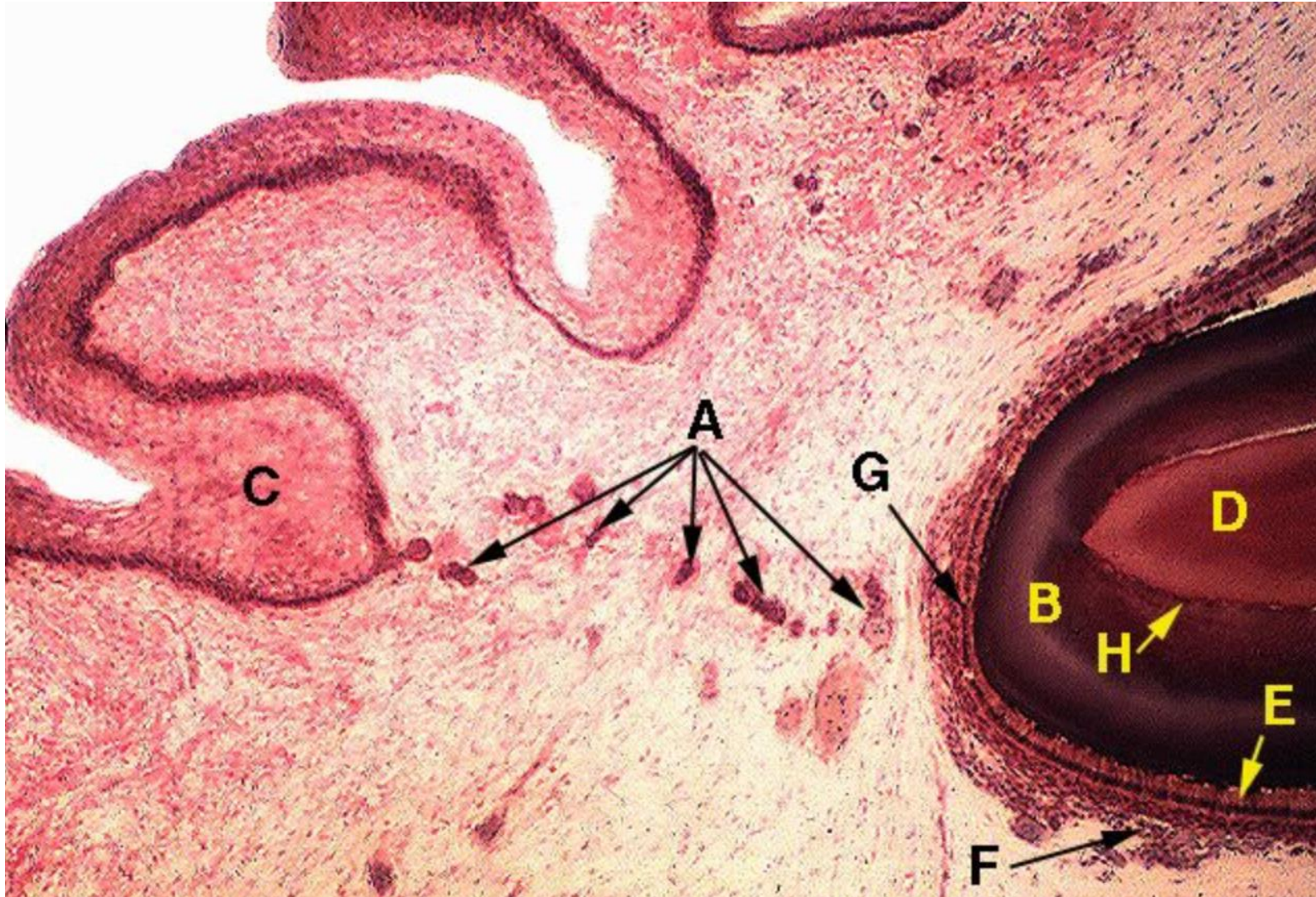
I: dental pulp

*: DEJ

Late Bell Stage



Late Bell Stage



A:disintegrating dental lamina

B:enamel

C:oral epithelium

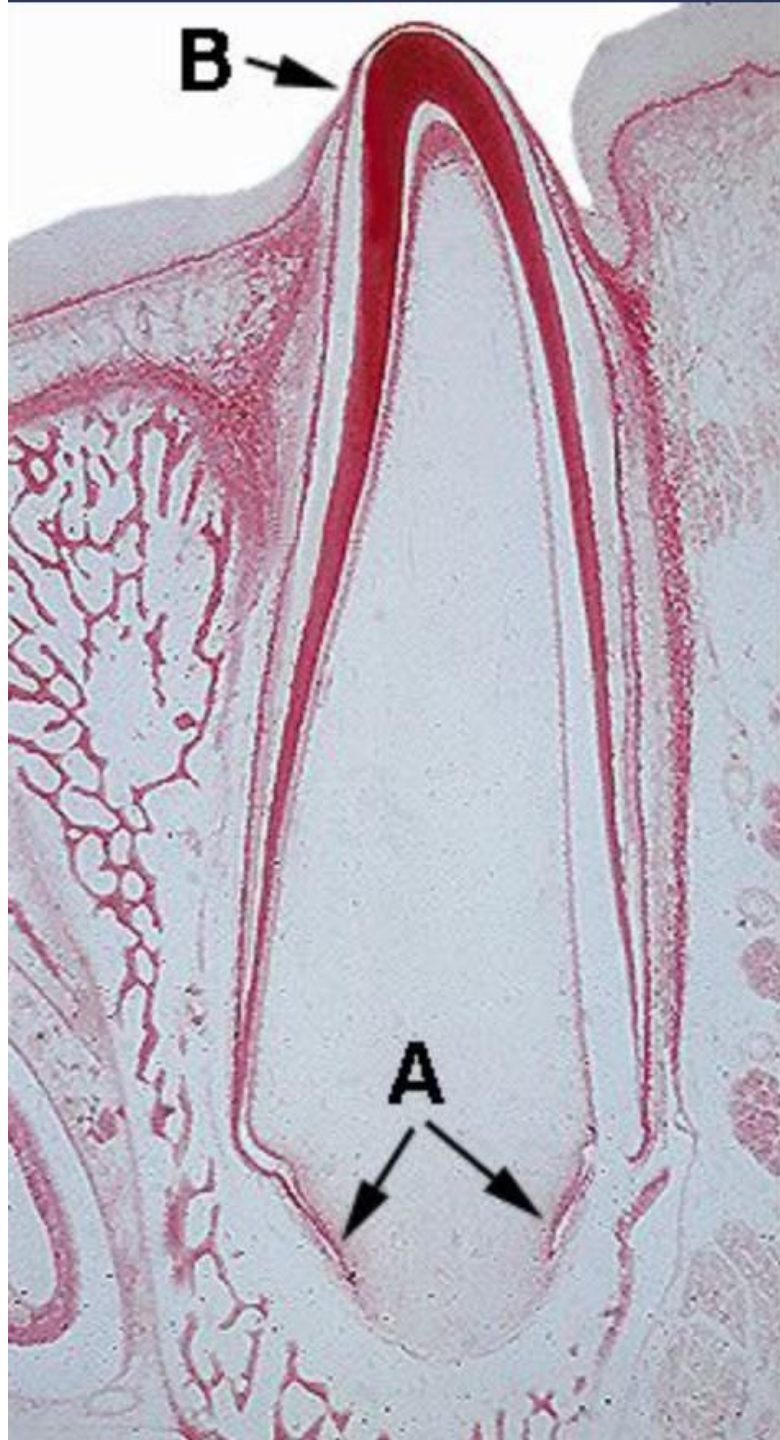
D:dentin

E: ameloblast

F:dental follicle

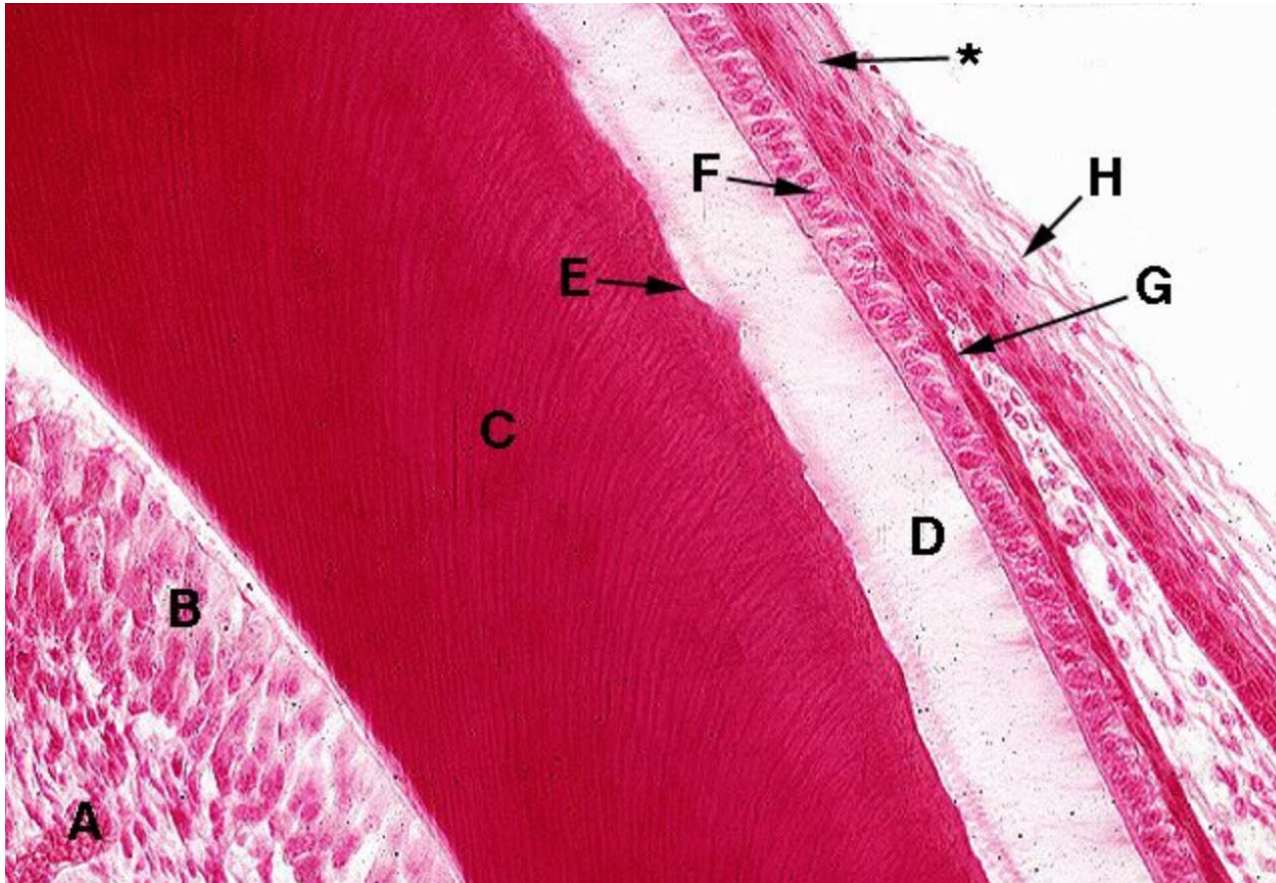
G:REE

H:DEJ



A: epithelial diaphragm

B: fusion of REE with oral epithelium

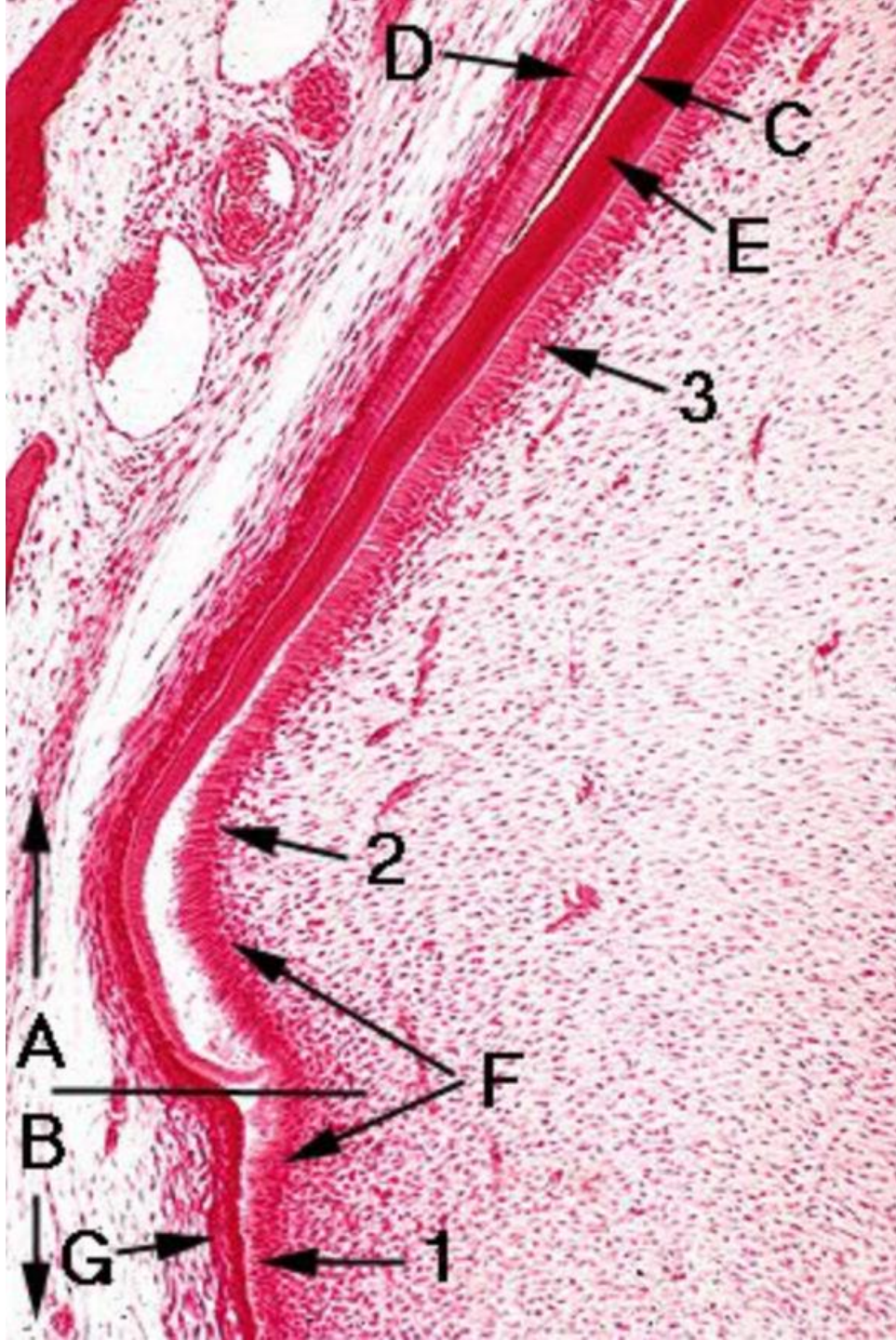


A - pulp
B - odontoblasts
C - dentin
D - enamel space
E - dentinoenamel junction

F - protective ameloblast layer
G - reduced enamel epithelium
H - oral epithelium
* - fusion of epithelial
membranes at eruption

Root Formation

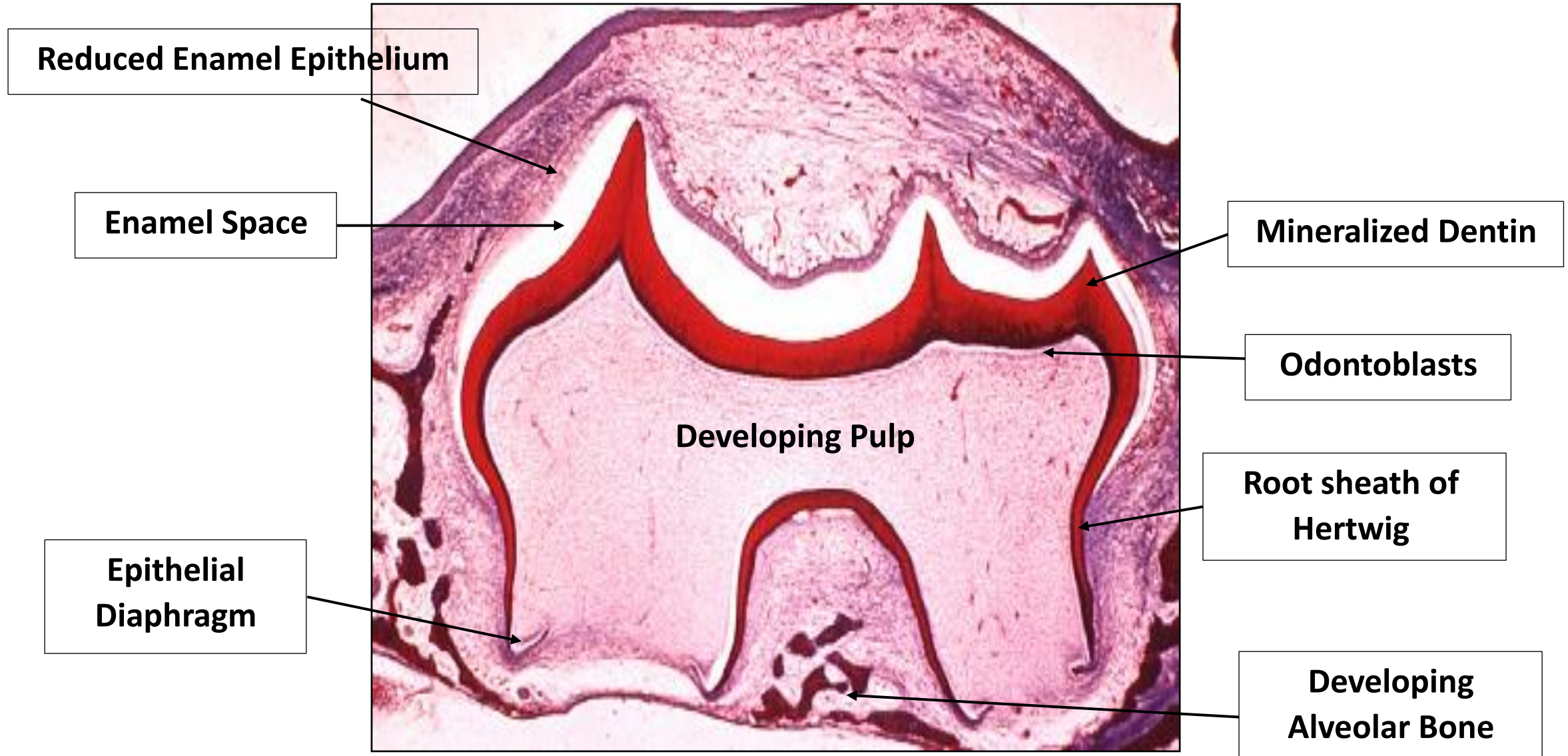




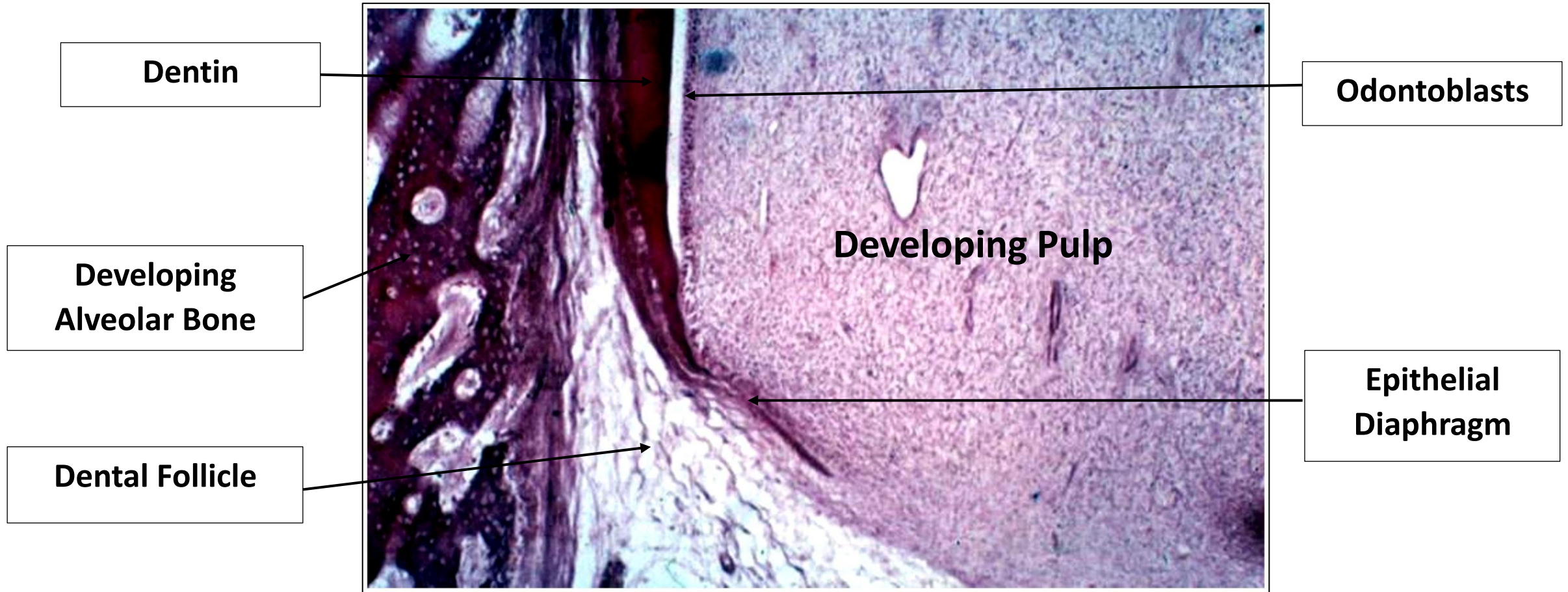
- A - crown of tooth
- B - root of tooth
- C - enamel space
- D - ameloblasts
- E - dentin
- F - odontoblasts
- G - epithelial diaphragm

- 1 - morphogenetic region
- 2 - organizing region
- 3 - secretory region

Root Formation



Epithelial Diaphragm



Late Bell Stage

