Landmarks of Individual Teeth
Lobes: Part of a tooth formed by any one of the major developing centres that begin calcification (hardening) of the tooth
Cingulum

Cingulum: Lingual lobe of anterior teeth

Class Exercise
Cusp: a major point or rounded eminence on or near the occlusal or incisal surface of a crown
Developmental Groove: Fine depressed line in the enamel of the tooth, where the lobes of the crown join.

Page 24 in your text book
Developmental Groove

Buccal Developmental Groove

Distobuccal Triangular Developmental Groove

Lingual Developmental Groove

Central Developmental Groove

Class Exercise
**Fissure**: a deep cleft formed at the bottom of a groove during the development and fusion of the lobes.
Fossa:

Fossa: a shallow depression found on the lingual surfaces of most anterior teeth and on occlusal surfaces of posterior teeth.
**Pit**

**Pit:** a deep fault formed where two grooves meet or cross one another (the most common site for dental caries)

Class Exercise
Glossary section (p432) of your text book

Permanent Maxillary Left First Molar

Class Exercise
Ridge

**Ridge:** any line raised area on the surface of a tooth
Permanent Mandibular Right First Molar

Class Exercise

Marginal Ridge

Mesial Marginal Ridge

Distal Marginal Ridge

Buccal

Occlusal View

Lingual

Mesial

Distal
Triangular Ridge: the ridge which runs from the tip of a cusp to the central groove of the occlusal surface of a posterior tooth.

Class Exercise

Page 26 in your text book
Transverse Ridge:

Ridge formed by the union of two triangular ridges, transversing the surface of a posterior tooth from buccal to lingual side.
Oblique Ridge

Permanent Maxillary Left First Molar

Class Exercise

Page 171 in your textbook & Glossary section
Secondary Grooves

Glossary section (p432) of your text book

**Secondary Grooves:** are small, irregularly placed grooves, not at the junction of lobes or major portions of a tooth, usually found on occlusal surfaces
Marginal Groove: small grooves that run from occlusal to mesial and/or distal surfaces of molars and premolars crossing the marginal ridge.
**Tubercle**

*Tubercle:* is a small elevation of enamel on an area of the crown of the tooth.
Summary

Landmarks of Individual Teeth

- Lobes
- Cingulum
- Cusp
- Developmental Groove
- Fissure
- Fossa
- Pit

- Ridge
  - Marginal Ridge
  - Triangular Ridge
  - Transverse Ridge
  - Oblique Ridge

- Groove
  - Secondary (Supplemental)
  - Marginal

- Tubercle