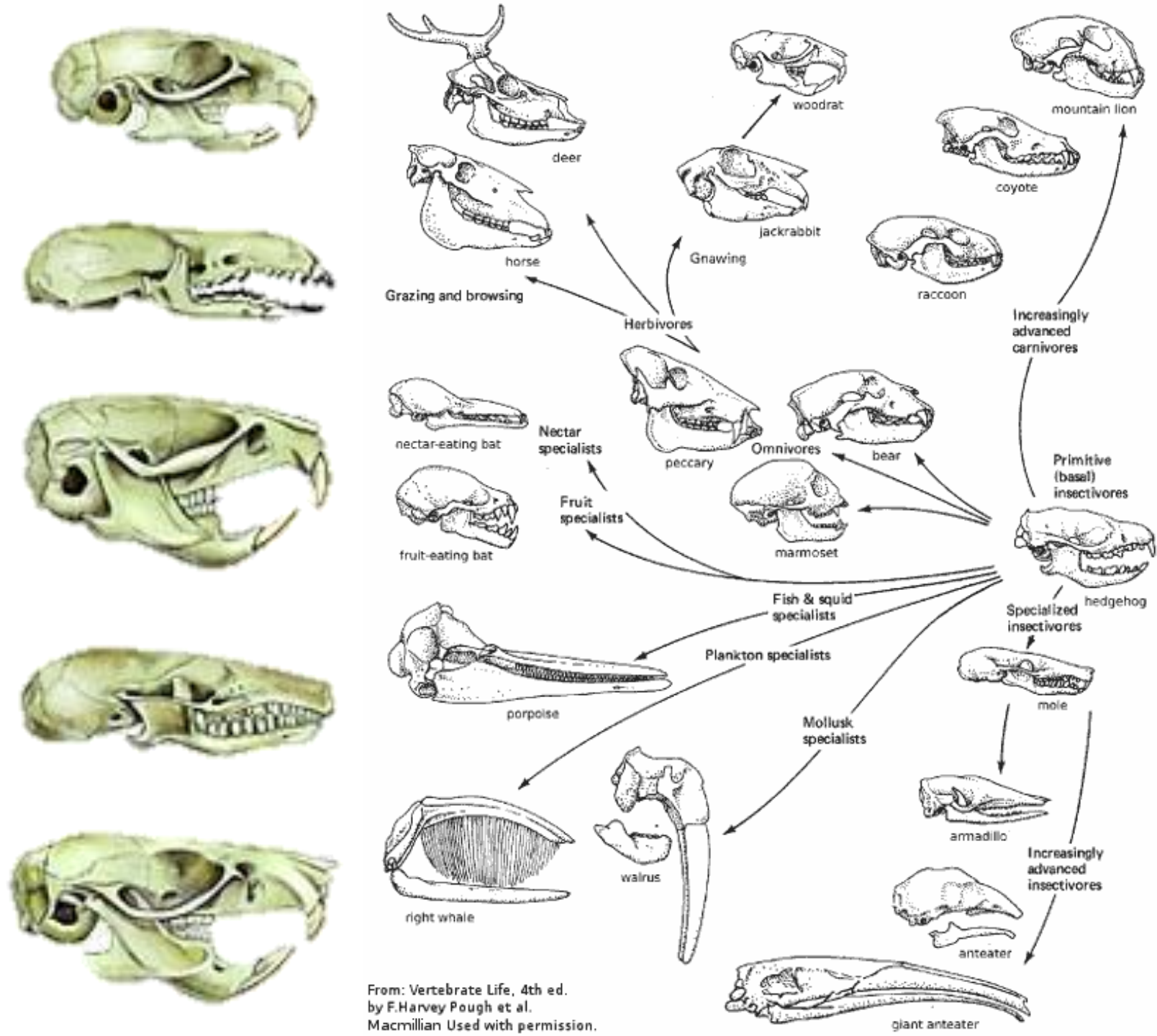


Lab 1: Mammalian Anatomy

Luxien Landrus
Aug 29 & 30th, 2023



From: Vertebrate Life, 4th ed.
by F. Harvey Pough et al.
Macmillan Used with permission.

Brief Overview:

Week	Dates	Topic
1	8/22, 8/23	No Labs
2	8/29, 8/30	Lab 1: Mammalian Anatomy
3	9/5, 9/6	Review Mammalian Anatomy
4*	9/12, 9/13	Lab 2: Mammal Diversity

***First quiz (mammalian anatomy)**

Everything in lab handouts that is **BOLDED** is fair game

Anatomical Terminology

- **Ventral:** front or lower side of subject
 - 'venter' = belly
- **Dorsal:** back or upper side of subject
 - 'dorsum' = back
- **Anterior:** front of the subject
 - 'ante' = front
- **Posterior:** back of the subject
- **Lateral:** to the side of...

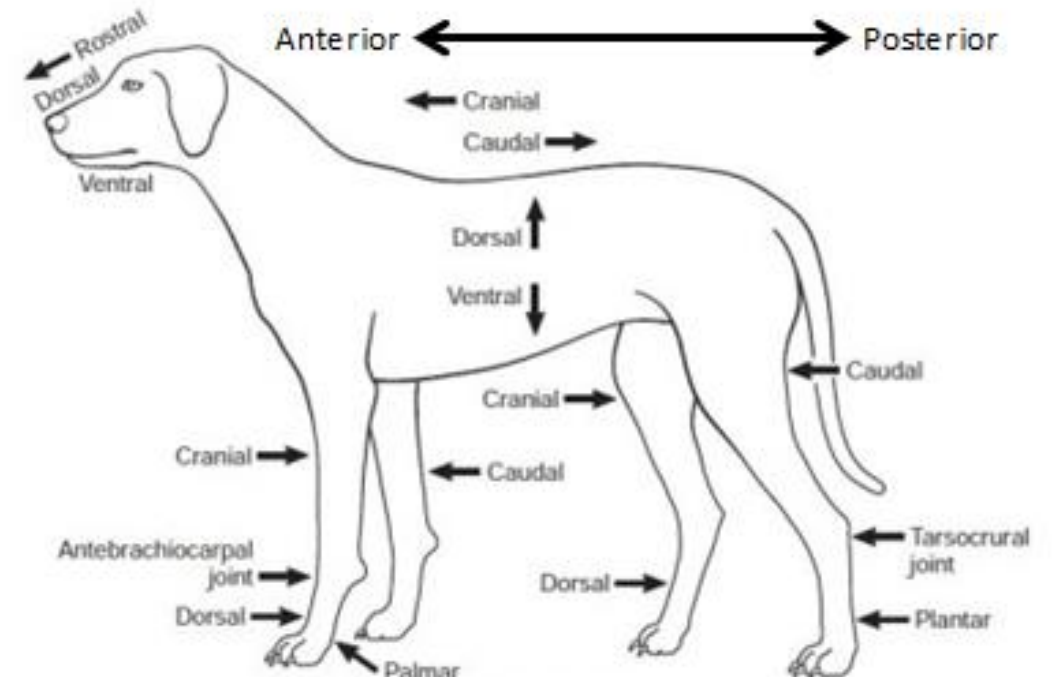
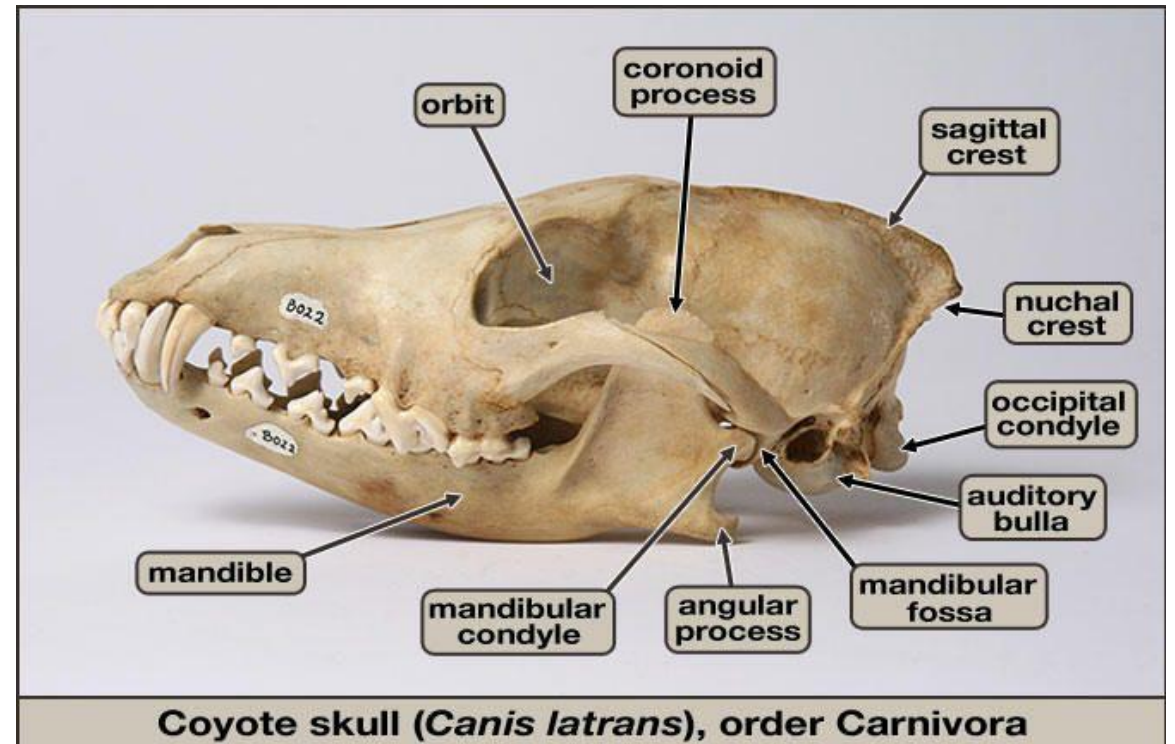


Figure 1-3 Directional terms.

Anatomical Terminology

- **Fossa:** depression or hollow 'fossa' = ditch or trench
- **Meatus:** short canal that opens to another part of the body
- **Process:** projection or outgrowth of bone
- **Condyle:** rounded protuberance at end of some bones
- **Crest:** a projection, or projecting structure or ridge
- **Foramen:** an opening, or passage through bone

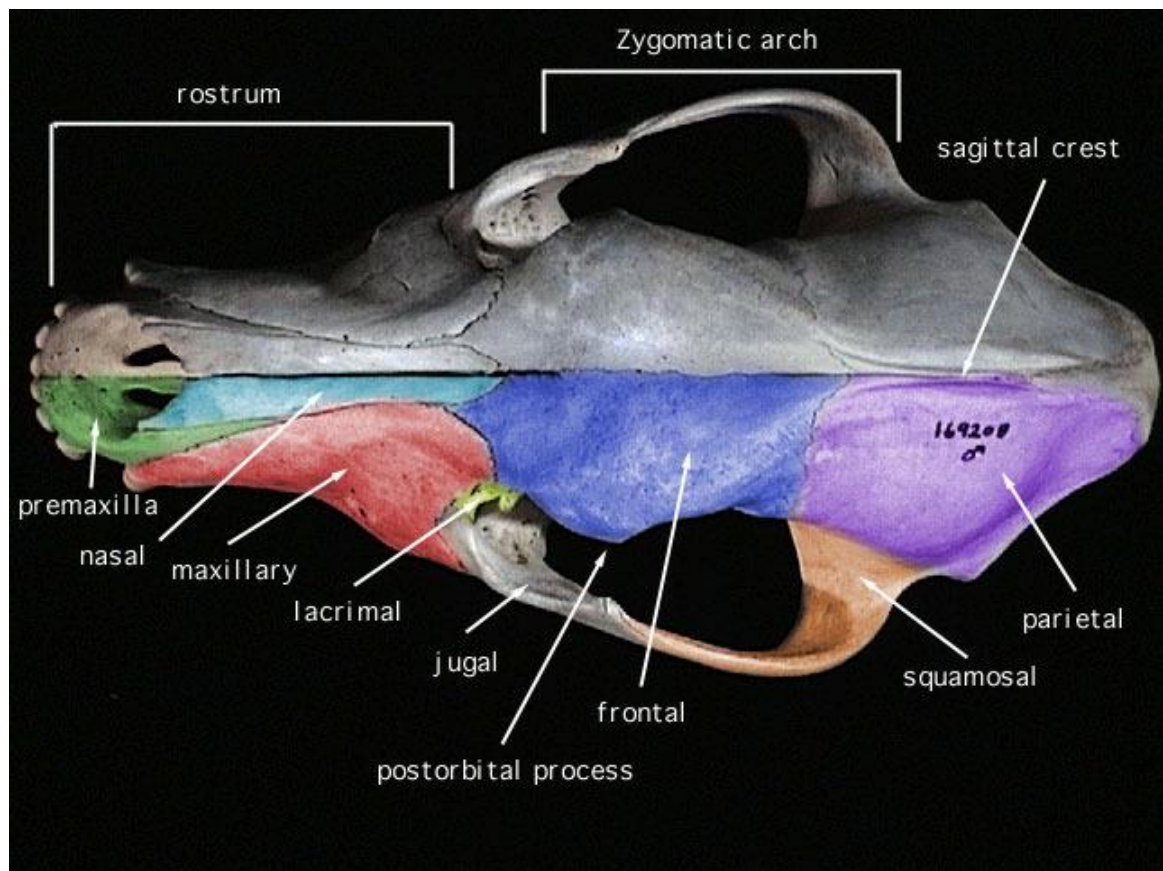


Studying techniques

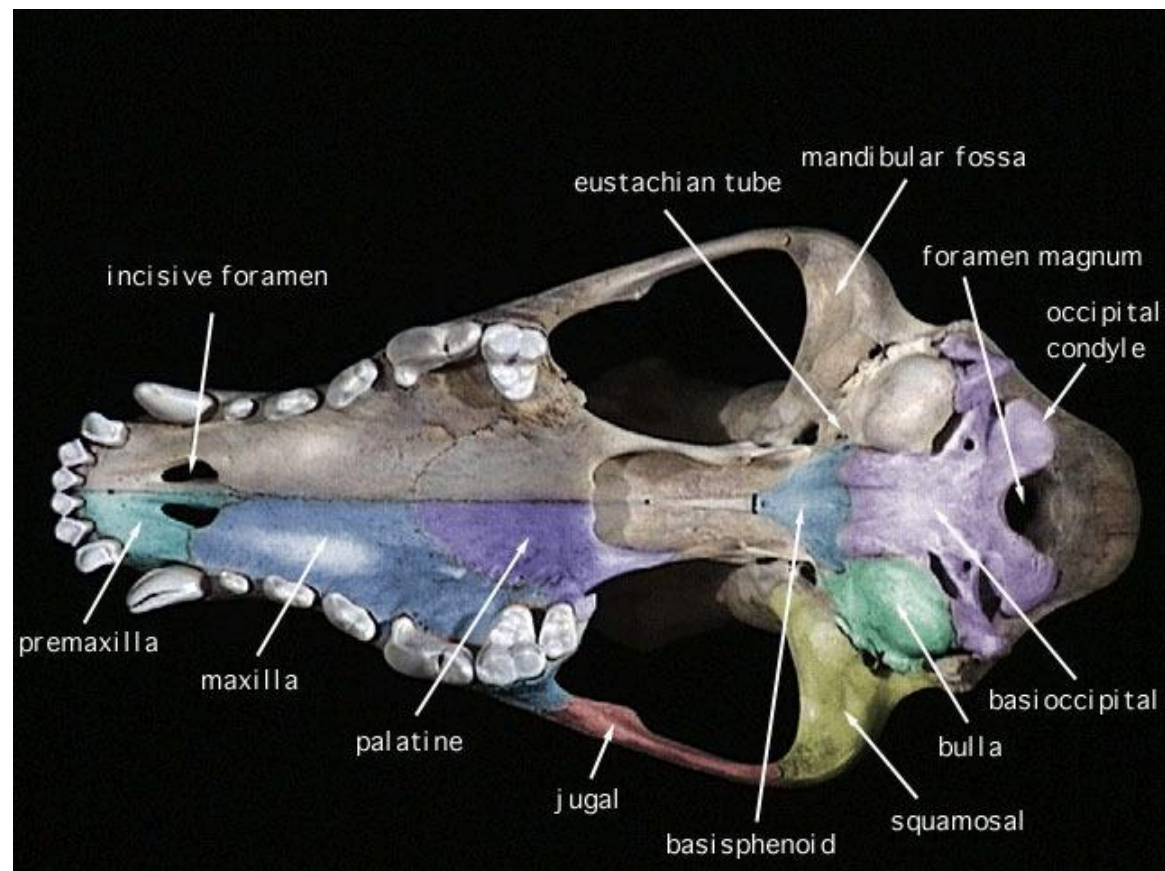
- Take it in steps
- Draw it out! Drawing things out is helpful to visualize and memorize.
- Flashcards
 - Quizlet has a lot of helpful sets
 - Make your own!
- Take pictures for online flashcards/quizzes
- Use mnemonic devices
- Connect new vocabulary to previous knowledge!
- REPETITION

Study tools

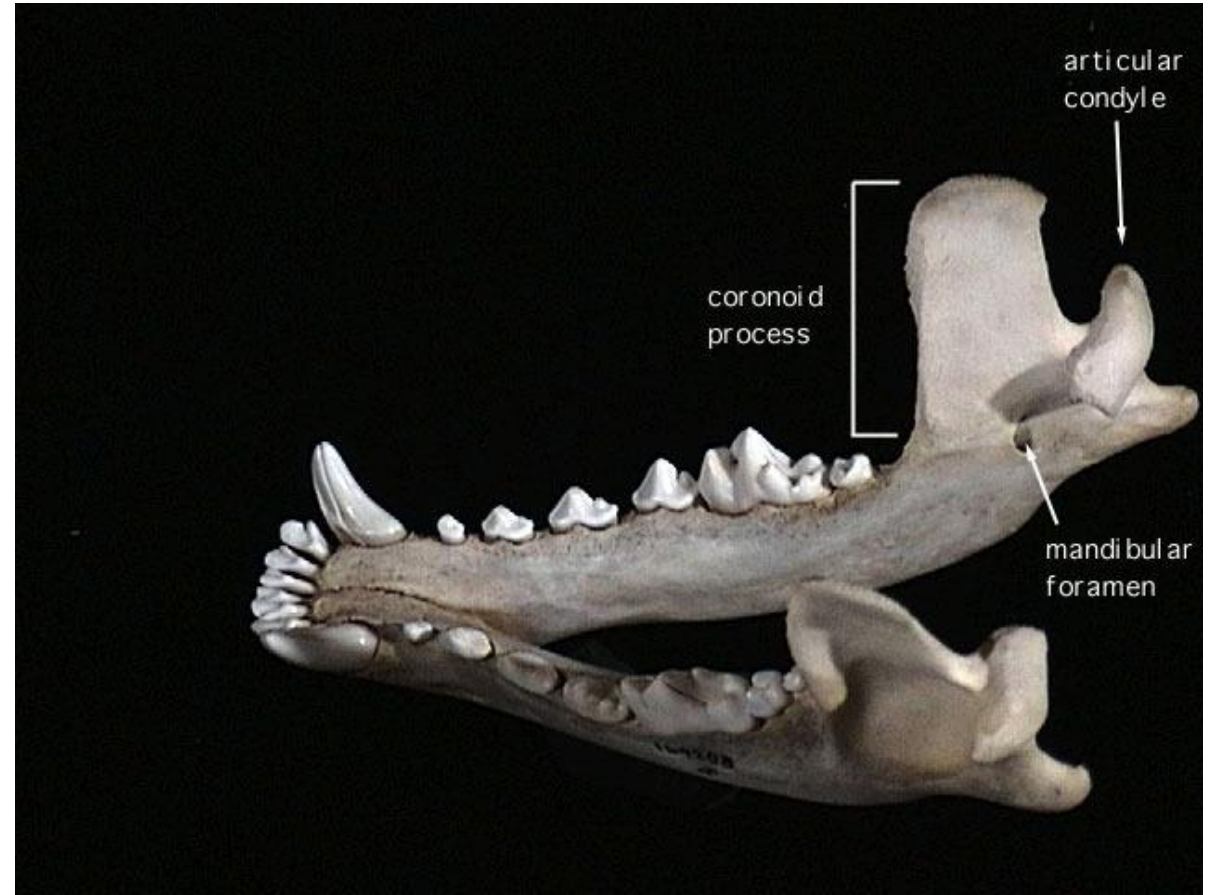
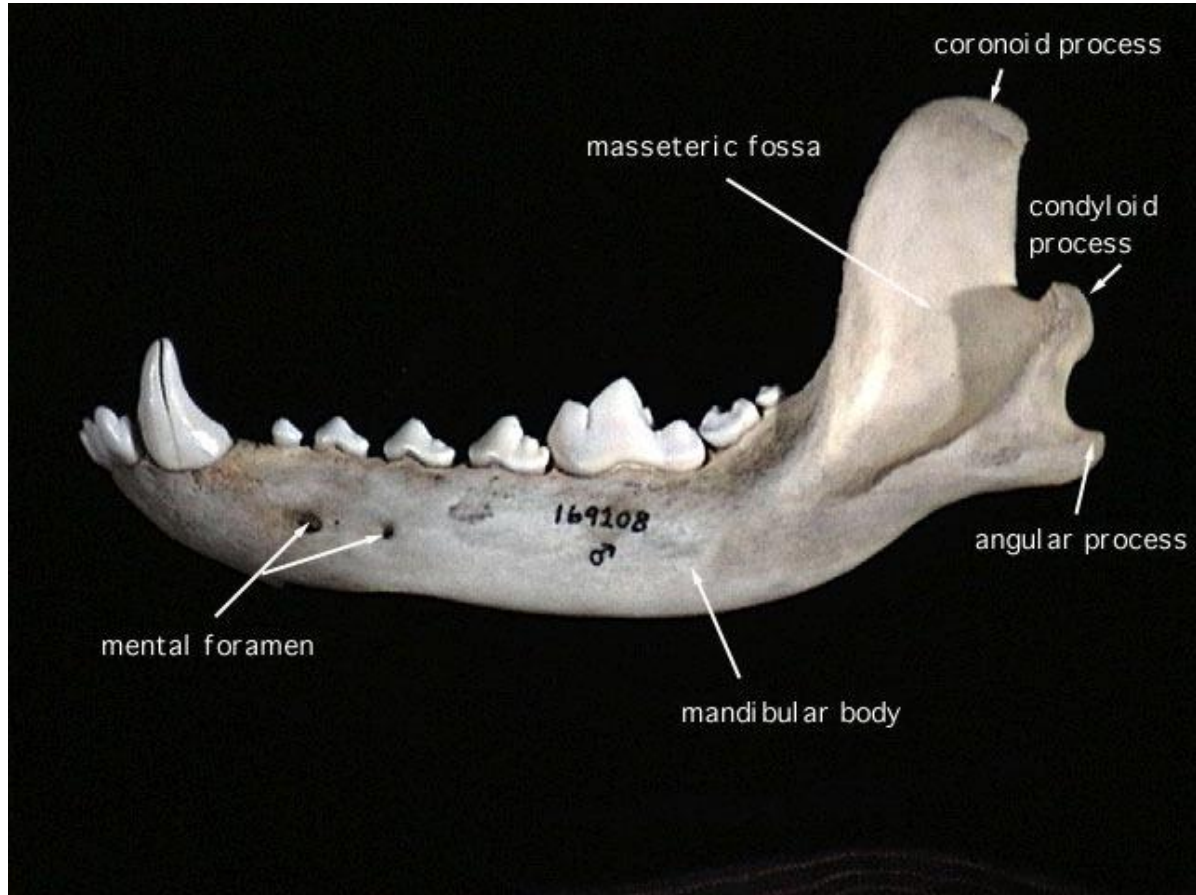
- Practice quizzes:
 - Ones to start out with:
 - <https://www.purposegames.com/game/cqyUEW1fIJ3>
 - <https://www.purposegames.com/game/mammal-skeleton-game>
 - <https://www.purposegames.com/game/mammal-skull-anatomy>
 - Once you are familiar with terminology:
 - https://www.sporcle.com/games/starvingturkey/bones-of-an-animal-skull_lateral
 - Part of a quiz playlist of 4 quizzes, all of different angles of the skull
 - <https://www.sporcle.com/games/kelseysporc/skeleton-of-the-dog>



Dorsal view



Ventral view



The mandible