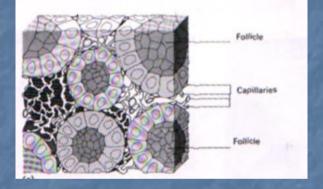
Glands: epithelial cells that make and secrete a water-based substance

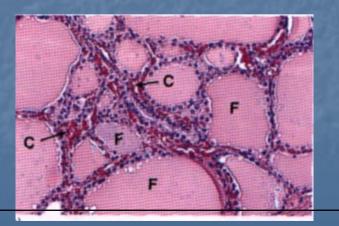
Exocrine Glands

- Secrete substance onto body surface or into body cavity
- Have ducts
- E.G., salivary, mammary, pancreas, liver

Endocrine Glands

- Secrete product into blood stream
- Either stored in secretory cells or in follicle surrounded by secretory cells
- Hormones travel to target organ to increase response
 - No ducts

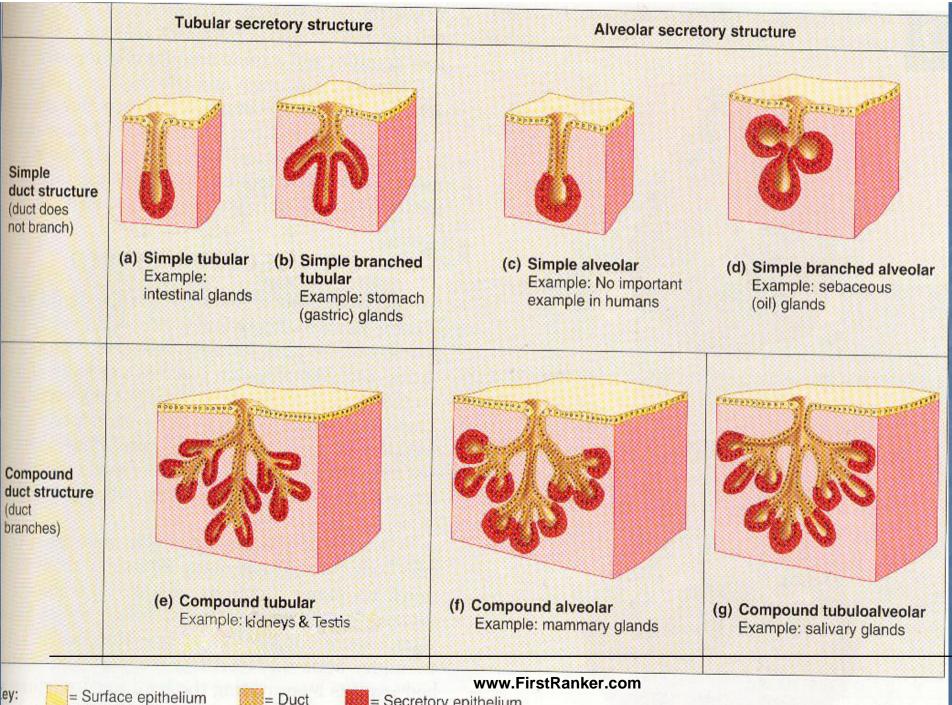




www.FirstRanker.com

Shapes of Exocrine glands Branching Simple – single, unbranched duct Compound – branched. Shape: tubular or alveolar Tubular – shaped like a tube • Alveolar – shaped like flasks or sacs • Tubuloalveolar – has both tubes and sacs in gland www.FirstRanker.com

www.FirstRanker.com www.FirstRanker.com



ey:



Secretory epithelium

Modes of Secretion

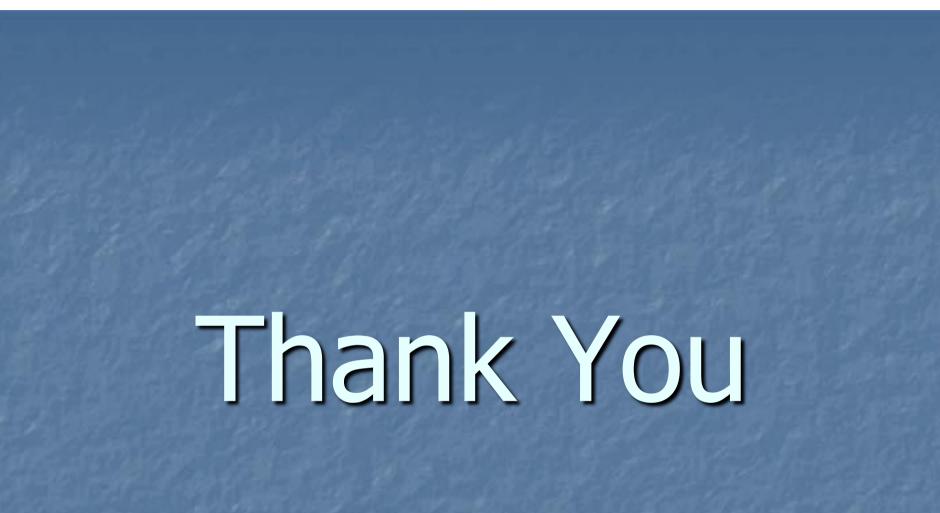
(How the gland's product is released) Merocrine

- Just released by exocytosis without altering the gland at all.
- Ex: Sweat glands and salivary glands

Holocrine

- The gland ruptures and releases secretion and dead cells as well.
- Sebaceous (oil glands on the face) only example
 www.FirstRanker.com





www.FirstRanker.com