**Items to Identify: Epithelium and Junctions**

**Slides to Identify**

* Slide 109: Skin, hand, monkey & Slide 19680: Human testis Epon thin section (toluidine blue)
  + Simple squamous endothelial cells lining blood vessels
  + Stratified squamous epithelium of skin
  + Stratified cuboidal of sweat ducts
* Slide 111: Skin
  + Stratified squamous epithelium of skin
  + Prickle cell layer of desmosomes
* Slide HISTO052: Tongue
  + Stratified squamous epithelium non-keratinized
* Slide 118: Liver & spleen with colloidal carbon, rat
  + Simple squamous endothelial cells lining blood and lymph vessels
* Slide 133: Trachea, monkey
  + Simple squamous endothelial cells lining blood and lymph vessels
  + Pseudostratified epithelium lining tracheal lumen
  + Ciliated epithelium of trachea, goblet cells, thick basement membrane
* Slide 160: Urinary bladder, monkey
  + Transitional epithelium lining bladder
* Slide 178: Vagina
  + Stratified squamous epithelium of skin
* Slide 196: Spermatic Cord
  + Simple squamous endothelial cells lining blood and lymph vessels
* Slide 249: Ileum, monkey (PAS)
  + Basement membrane of epithelium
* Slide 250: Ileum, monkey
  + Terminal bars
  + Simple squamous endothelial cells of blood and lymph vessels
  + Intestine lined with simple columnar epithelium
* Slide 258: Kidney (PAS)
  + Basement membrane of epithelium
  + Simple squamous and simple cuboidal epithelium in medulla and cortex
* Slide 262: Ureter
  + Transitional epithelium lining ureter
* Slide 277: Penis
  + Transitional, stratified columnar, stratified squamous, simple columnar epithelium
* Slide 429: Larynx (Gallego’s stain)
  + Transition from pseudostratified, ciliated epithelium to stratified squamous epithelium

**EM’s to Identify**

* EM 2: Liver
  + Gap junction, desmosome, tight junction
* EM 2a: Liver- Gap junctions
  + Gap junction
* EM 3: Intestine (Basal)
  + Basal lamina
* EM 4: Intestine (Apical)
  + Tight junction, zonula adherens, terminal web
* EM 4a: Intestine – Occludens Junction
  + Tight junction structure
* EM 4b: Intestinal absorption cell (apex)
  + Junctions between intestinal absorptive cells
* EM 4c: Intestinal absorptive cells
  + Amplified lateral surface of intestinal absorptive cells
* EM 6b: Basal body – Cilia
  + Tight junction (zonula occludens), zonula adherens, desmosome (macula adherens)
* EM 8g: Epidermis
  + Desmosomes of epidermis
* EM 8h: Macrophage
  + Thickened basal lamina
* EM 10a: Capillary
  + Capillary endothelial cells
* EM 10f: Arteriolar wall
  + Thin basal lamina, tight junctions (zonula occludens)
* EM 16: Surface mucosa (stomach)
  + Basal lamina
* EM 17: Duodenum
  + Basal lamina