Collecting duct

- Filtrate turned into pro-urine and then urine
- Salt transport and the concentration of urine
- Acid base balance
- Pass through the cortex and medulla to the renal pelvis
- 2 important types of cells in the epithelium
  - **Principal cell**
    - Main cell in the collecting duct
    - Involved in salt absorption as well as water absorption
    - Epithelial sodium channel (ENaC): Sensitive to aldosterone
    - Aquaporin: Under vasopressin (ADH) regulation
  - **Intercalated cell**
    - Between lots of principal cells
    - Acid base regulation
    - Alpha intercalated cell involved with excreting H+ into the tubular lumen, there to get rid of an acid load into the urine
    - Beta intercalated cells secrete bicarbonate into the urine