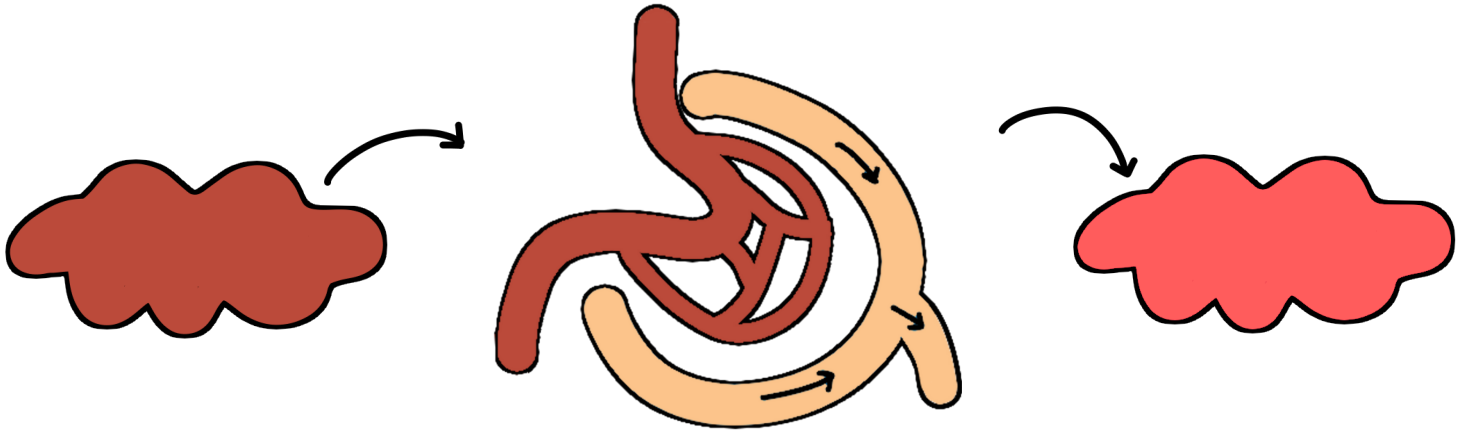


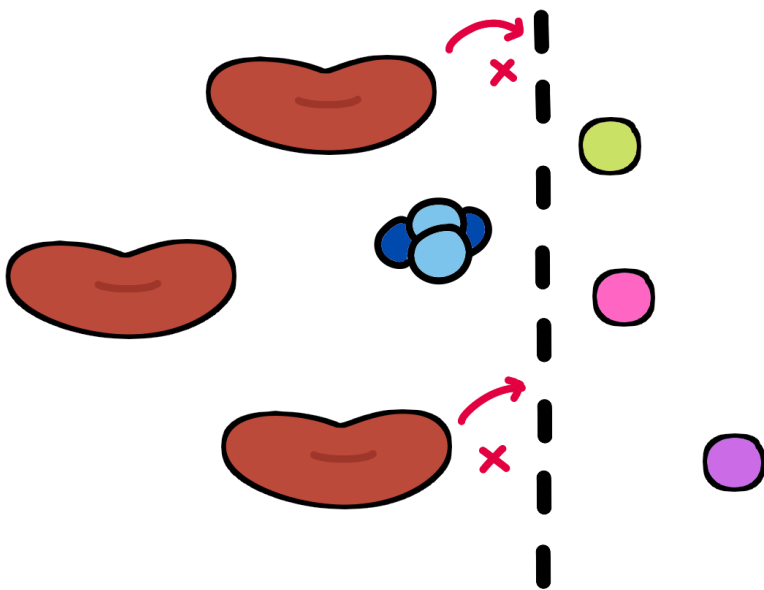
ultrafiltration

The kidneys undergo a process of ultrafiltration in the area between the Glomerulus Bowman's Capsule. Ultrafiltration separates particles from the blood as filtrate, where the basement membrane regulates the size cell that passes by.



dirty blood ➔ *clean blood*

- First step to forming urine
- Dirty blood enters through the Bowman's Capsule
- Filters out ALL molecules (including the useful ones)



filtering process

- Basement membrane has pores that are size-selective
- Restricts blood cells, platelets & plasma proteins
- Allows for urea to pass
- But also allows for salts, glucose, & water to pass

diagram not to scale nor in proper proportion to one another