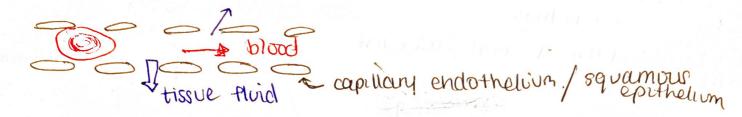
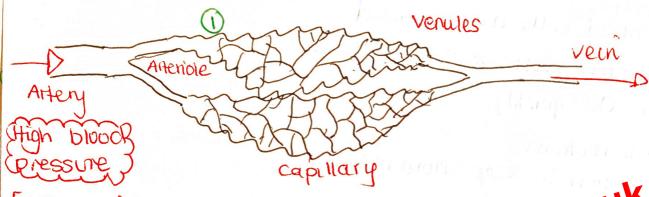
Tissue flind

This bather the cells of individual tissues to allow nutrients to diffuse into cells which can't access nutrients directly from the blood





(1) * unen blood reacher of Manes of 1/2 carteriole end, the blood presenties still are tagh due to contraction of left ventracle: "hydrostatic pressure"

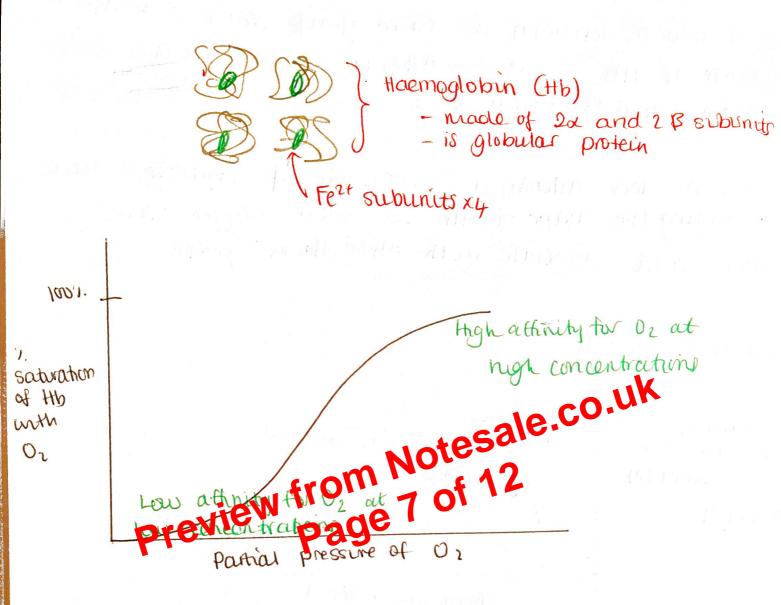
* This Portes plasma to push thomas
out of capillain.

*This Porces plasma to push through thin permeable wall and out of capillary pores, along with dissolved Oz, glucose, minerals etc.

* This is the tissue fluid

- * only certain molecules can pass through the squamous epithelium: ultrafiltration:
 - water, glucose & nunovals leave
 - larger proteins & cells remain
- *Thus the amount of liquid in the capillarier falls, so blood pressure is lowered
 - * Hydrostatic pressure >> osmoni effect of water &

oxygen is transported in haconglobin in red blood



- Here, oxygen is "loaded" onto 46, where or conc is the highest (1) In lungs -so Hb needs to pick up as much Oz as possible -Thus it needs to have a High affinity for Oz when Oz concentrations are high. haemogloben +02 - Oxyhaemogloben

(2) Muscles

- Here oxygen is released to be used by colls in aerobic respiration
- so the must release 02 "dissociation"
- Thus 416 has a low attricty her oz at low oxygen partial oxynaemoglobin + U2 + haemoglobin pressures.