

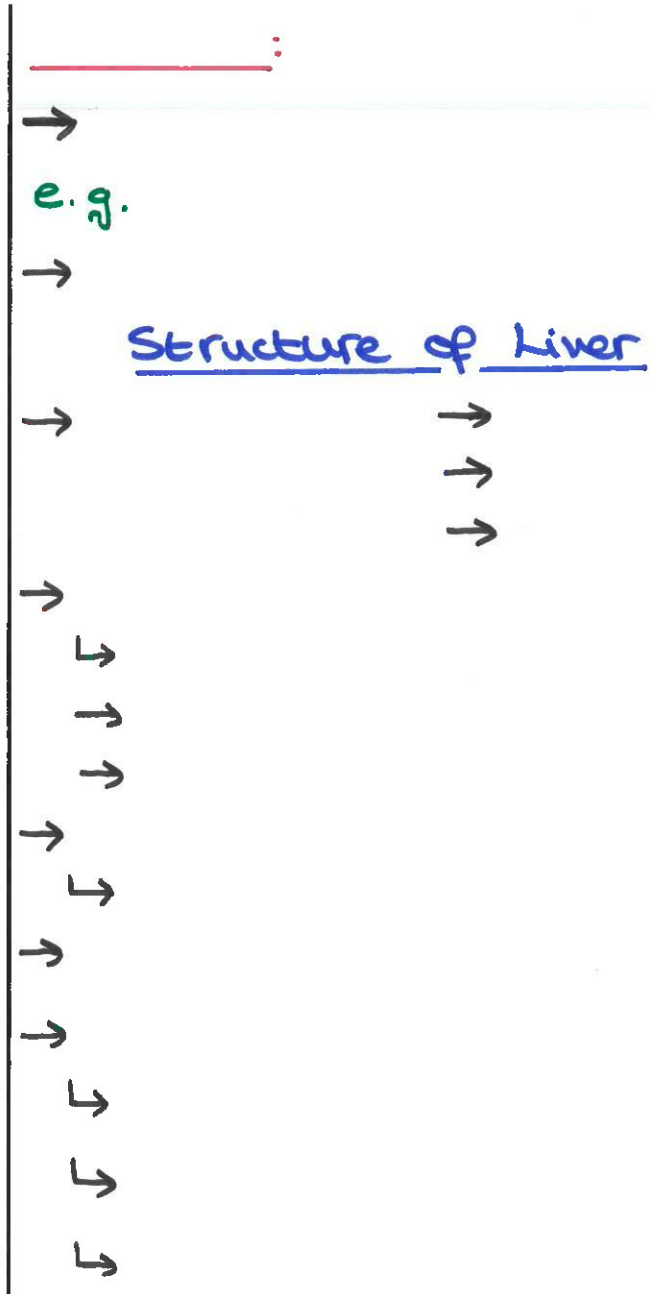


TT

Excretion

# The Liver

- 1
- 2
- 3
- 4
- 5





# Histology of the Liver

- 1
- 2
- 3
- 4
- 5

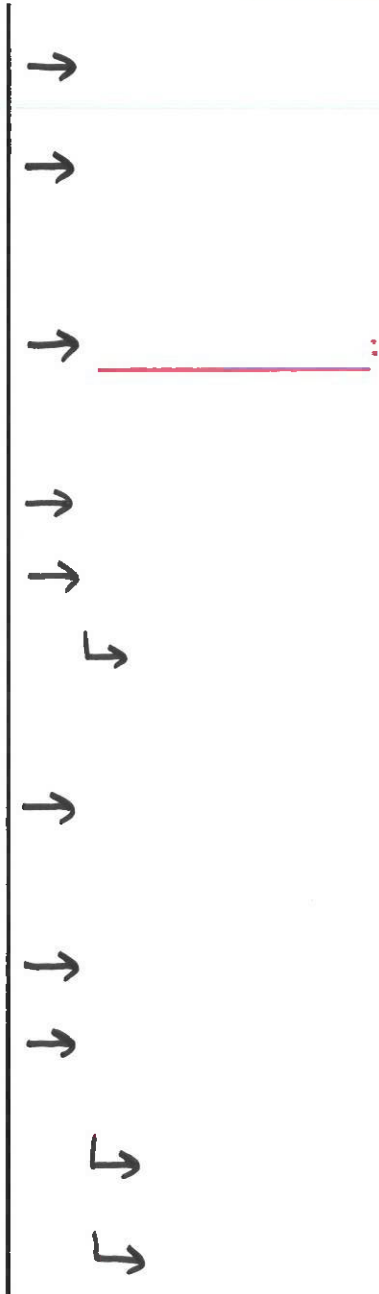




# The Ornithine Cycle

I 2 3 4 5

Deamination





# The Kidneys

- 1
- 2
- 3
- 4
- 5

## A Nephron

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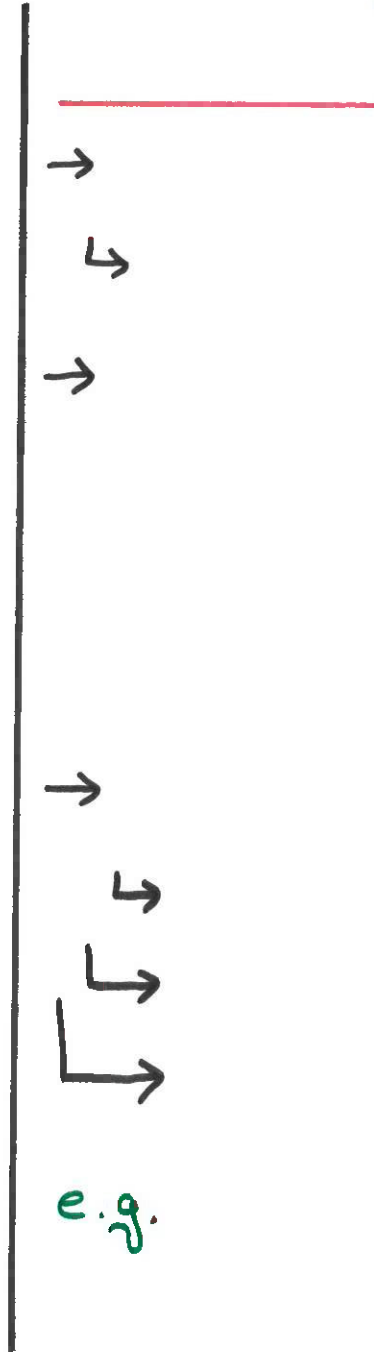
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# Ultrafiltration

- 1
- 2
- 3
- 4
- 5

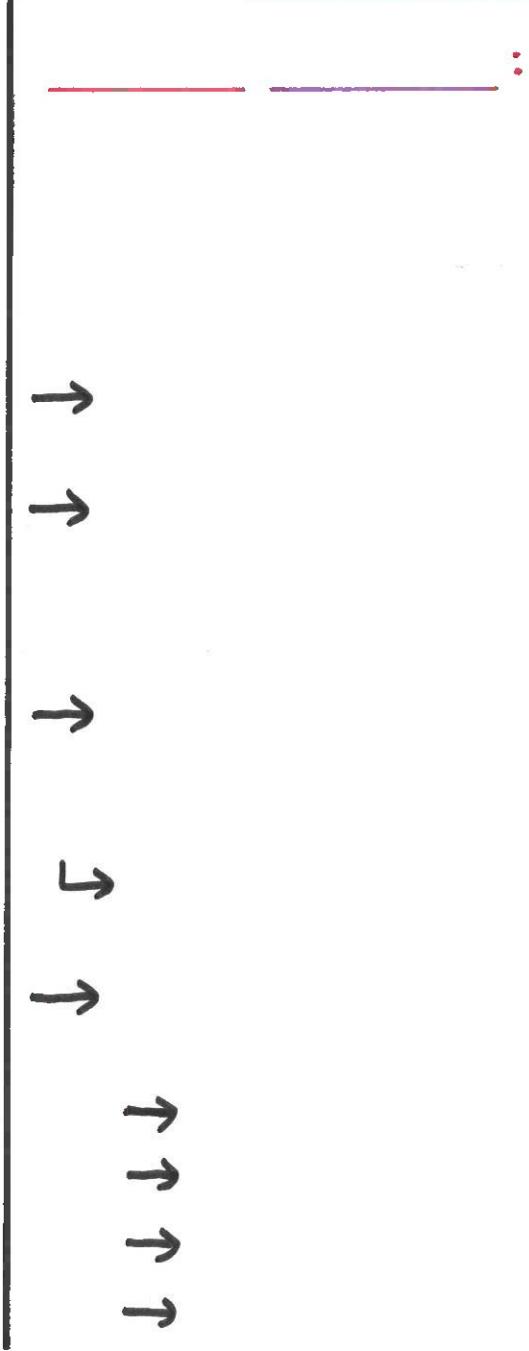




# Selective Reabsorption

- 1
- 2
- 3
- 4
- 5

Selective Reabsorption



Facilitated Diffusion      Simple Diffusion



Osmosis

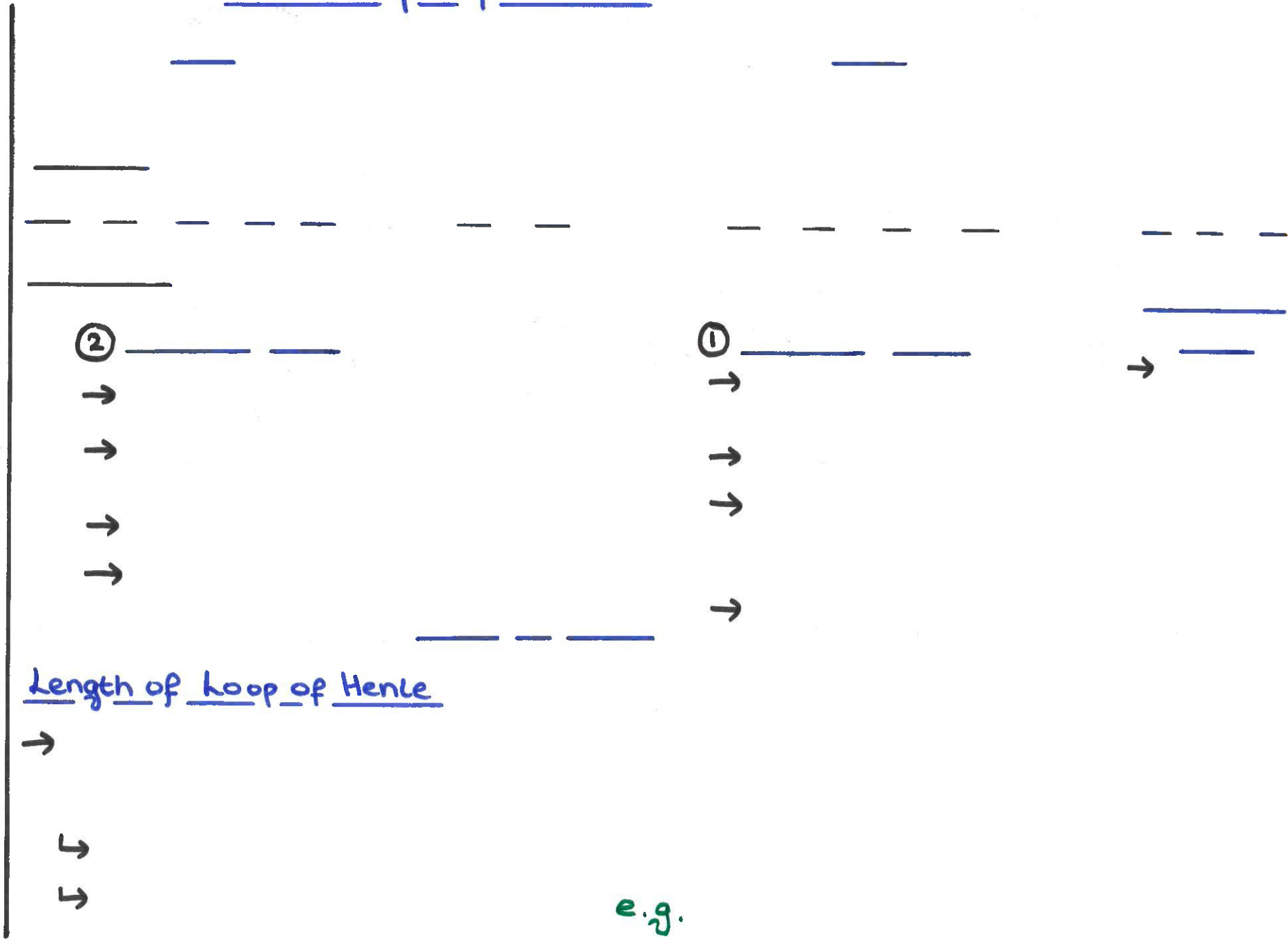
Active Transport





# The Loop of Henle

- 1
- 2
- 3
- 4
- 5





# Osmoregulation & Antidiuretic Hormone (\_\_\_) 1 2 3 4 5







# Kidney Failure

GFR

## Causes

1)

→

→

2)

→



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## Effects & Problems

### Kidney can't filter

Blood will have increased...

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→

→

### Kidney can't reabsorb

Blood will have decreased...

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→

→

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↘

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# Treatments of Kidney Failure

- 1
- 2
- 3
- 4
- 5

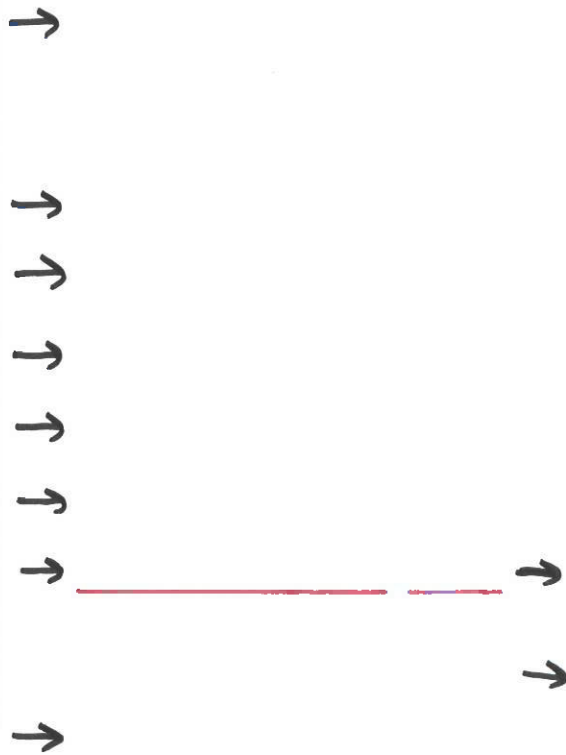
Counter-current  
Flow

## Renal Dialysis

## Molecule

## Dialysis Fluid

## Movement



## Kidney Transplant

