



# Blood Vessels

## Arteries



## Veins



## Capillaries





# Circulatory Systems

1 2 3 4 5

## Single Circulatory Systems

e.g.

### Open Circulatory Systems

→

→

e.g.

↳

→

e.g.

## Double Circulatory Systems

e.g.

### Closed Circulatory Systems

→

→

e.g.

e.g.



# Formation & Return of Tissue Fluid

- 1
- 2
- 3
- 4
- 5

Formation

Return





# The Human Heart

- 1
- 2
- 3
- 4
- 5

C =  
D =  
G =  
H =  
J =  
→  
→  
**SAN** =  
→  
**AVN** =  
→  
→  
→  
K =  
L =  
↓

A =  
→

B =

E =

F =

I =

→

→

M =

→

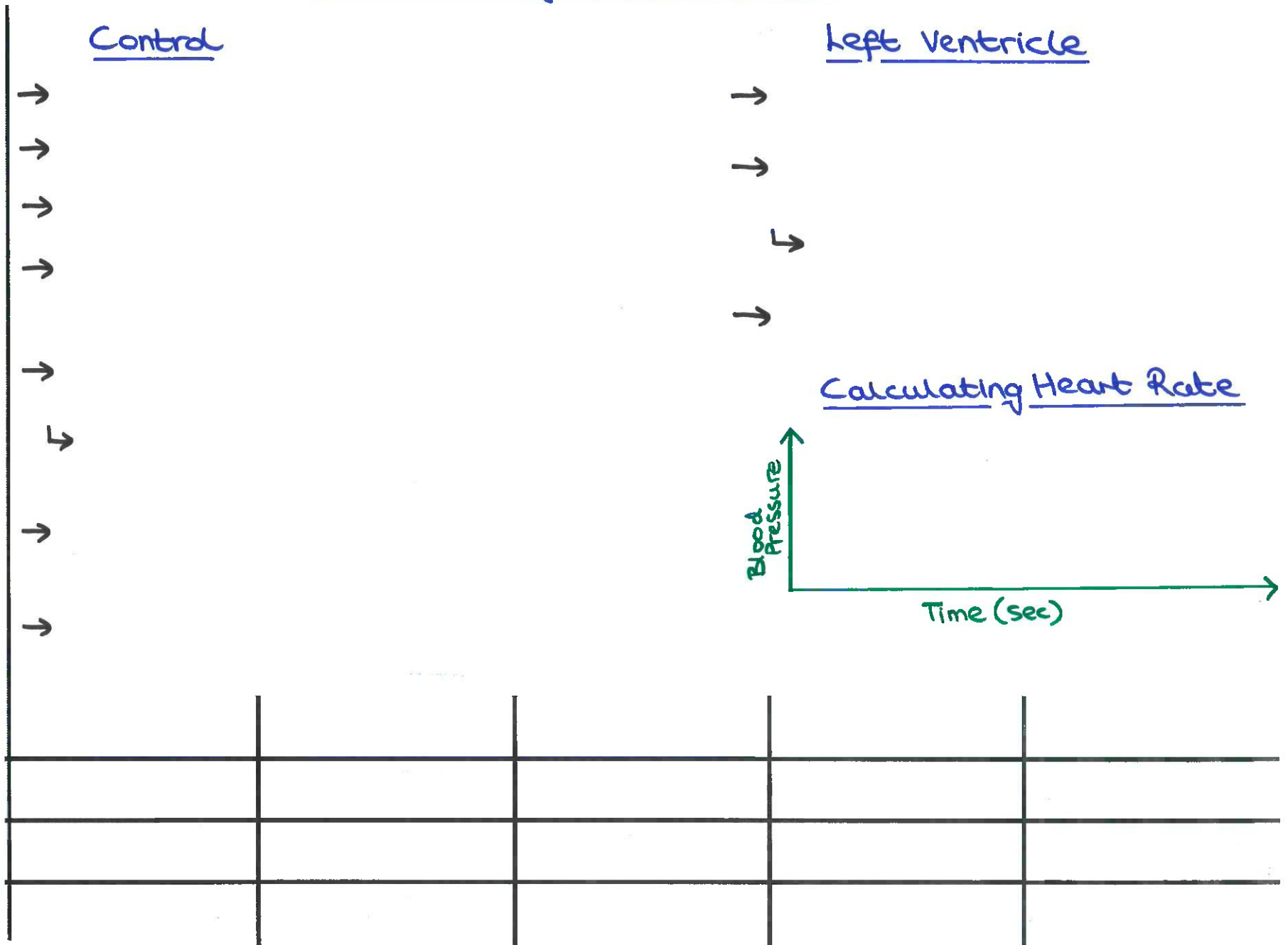
RIGHT |

LEFT



# Control of Heart Rate

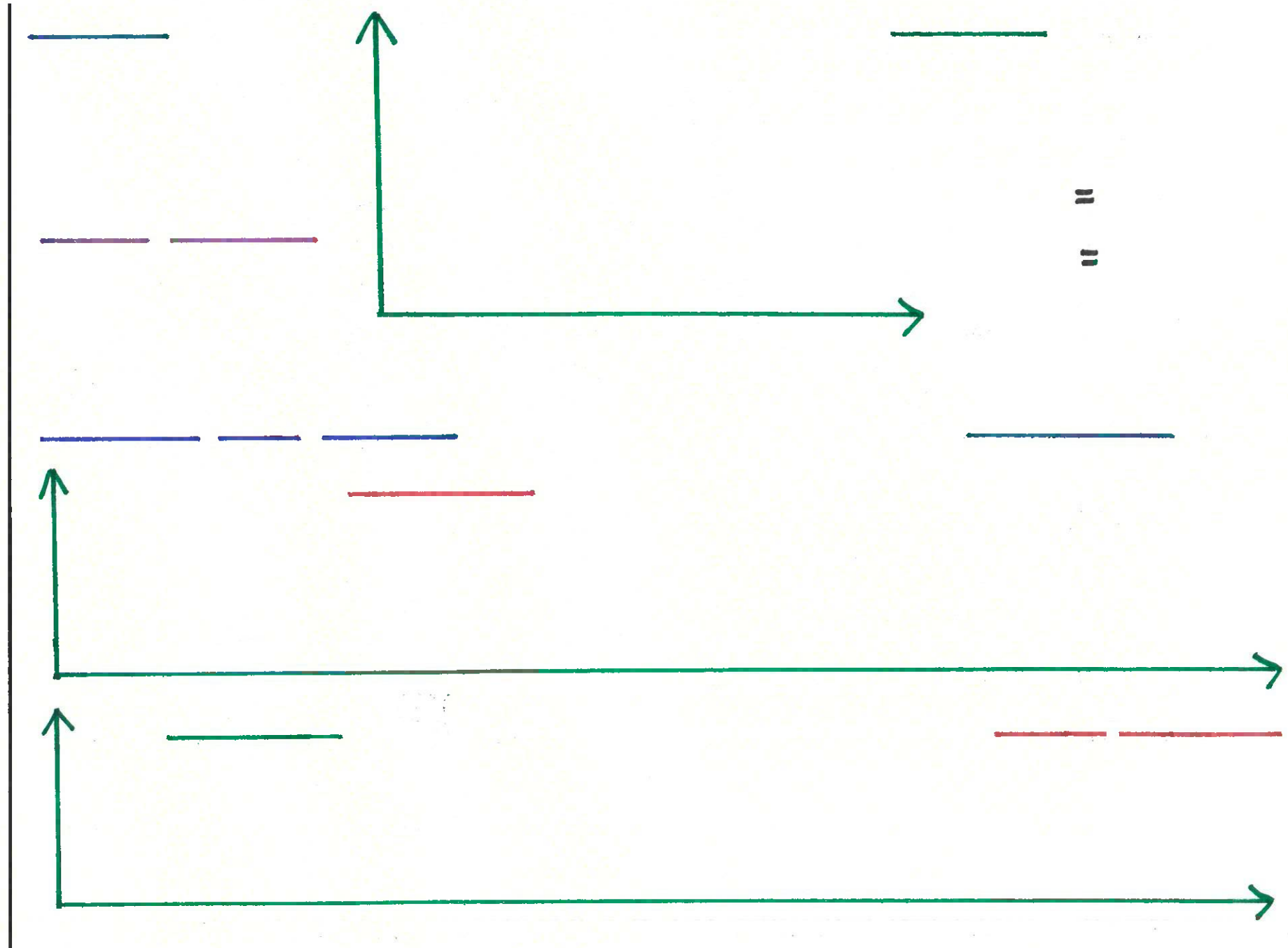
- 1
- 2
- 3
- 4
- 5





# Electrocardiogram E.C.G

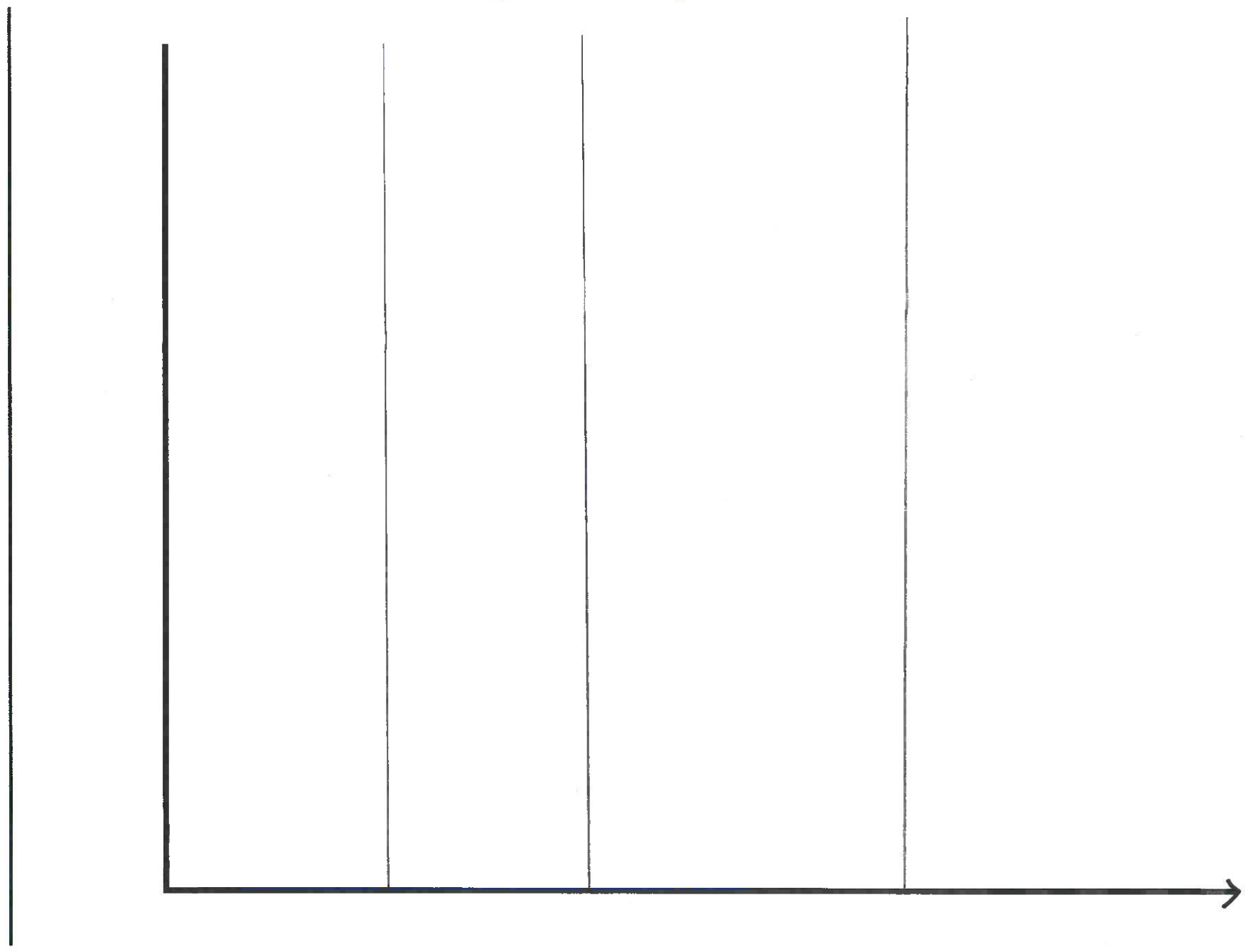
1 2 3 4 5





# Cardiac Cycle Graphs

- 1
- 2
- 3
- 4
- 5





TT

Haemoglobin

# Haemoglobin

- 1
- 2
- 3
- 4
- 5

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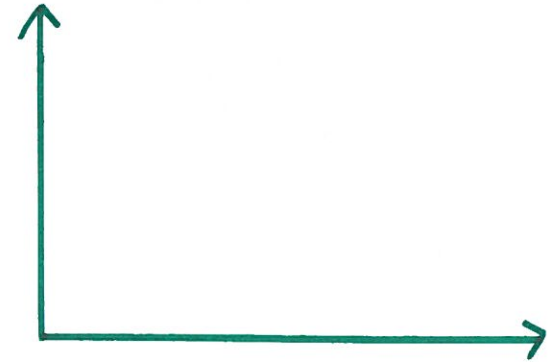
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Oxyhaemoglobin Dissociation Curve



The Boh Shift







# Comparing Haemoglobin in Different Species

1 2 3 4 5



Benefits of oxyhaemoglobin dissociation curve

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Benefit of this oxyhaem. curve

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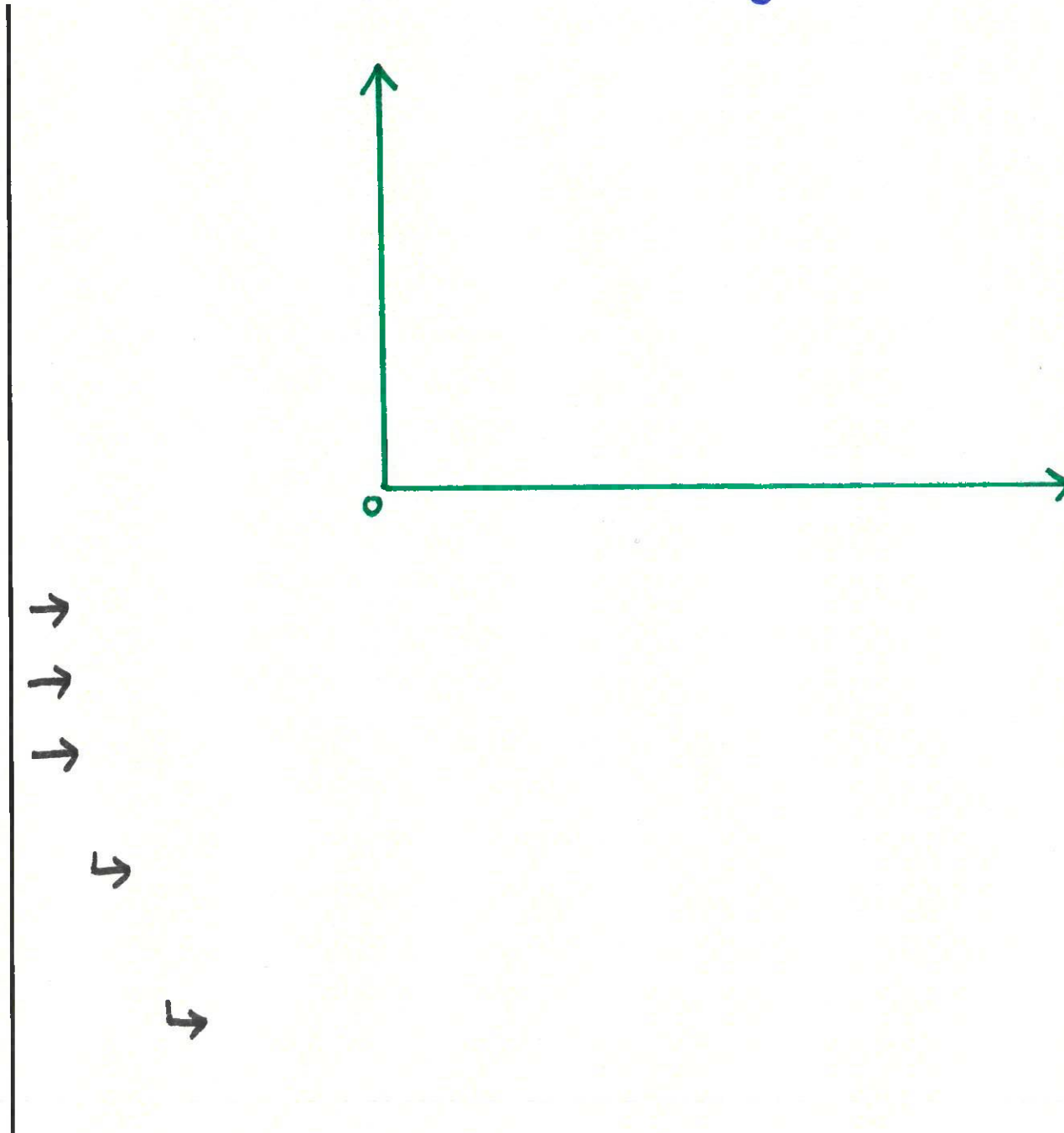
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# Adult & Fetal Haemoglobin

1 2 3 4 5





# The Chloride Shift & The Bohr Effect

- 1
- 2
- 3
- 4
- 5

