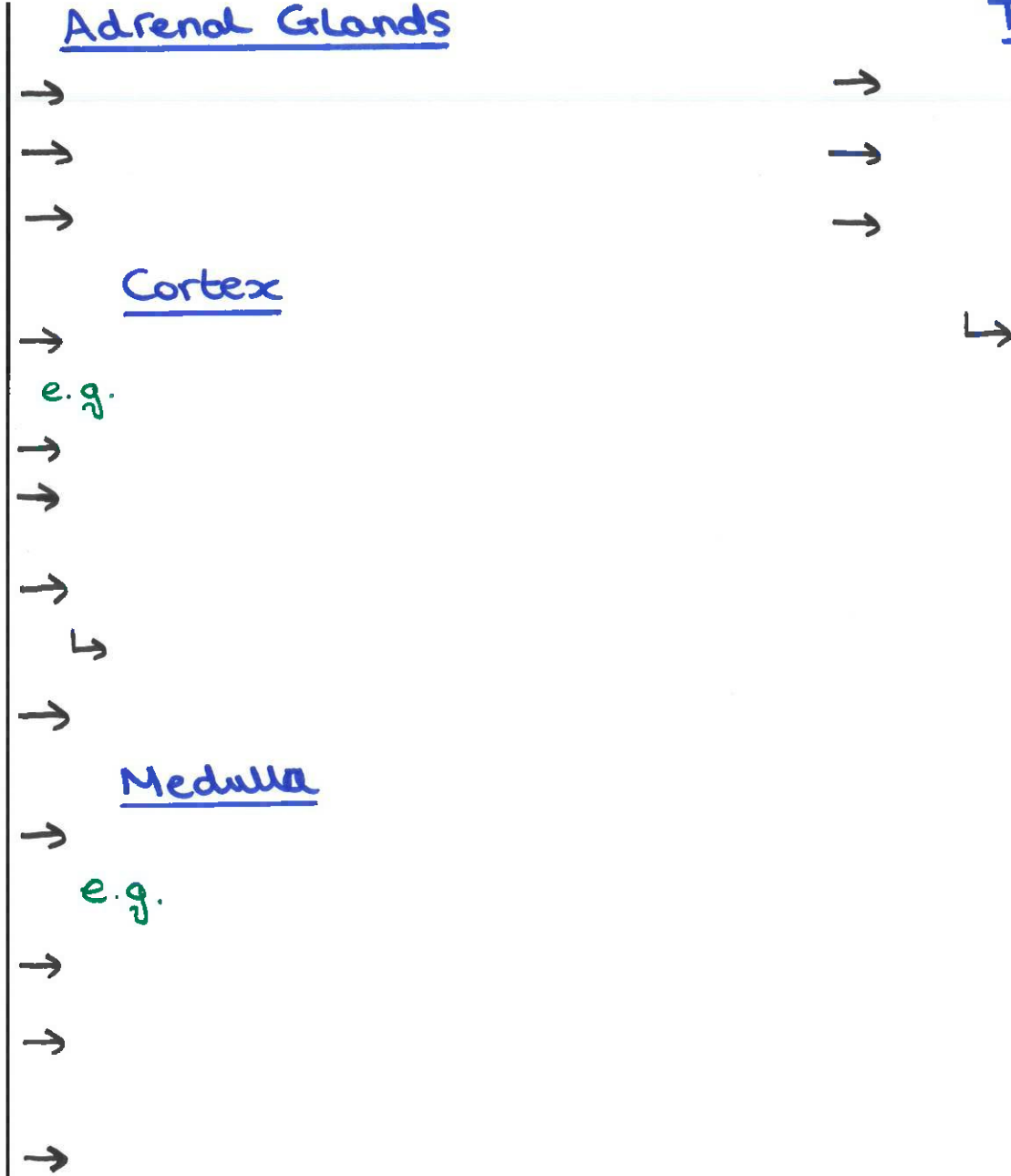




The Pancreas & Adrenal Glands

Adrenal Glands

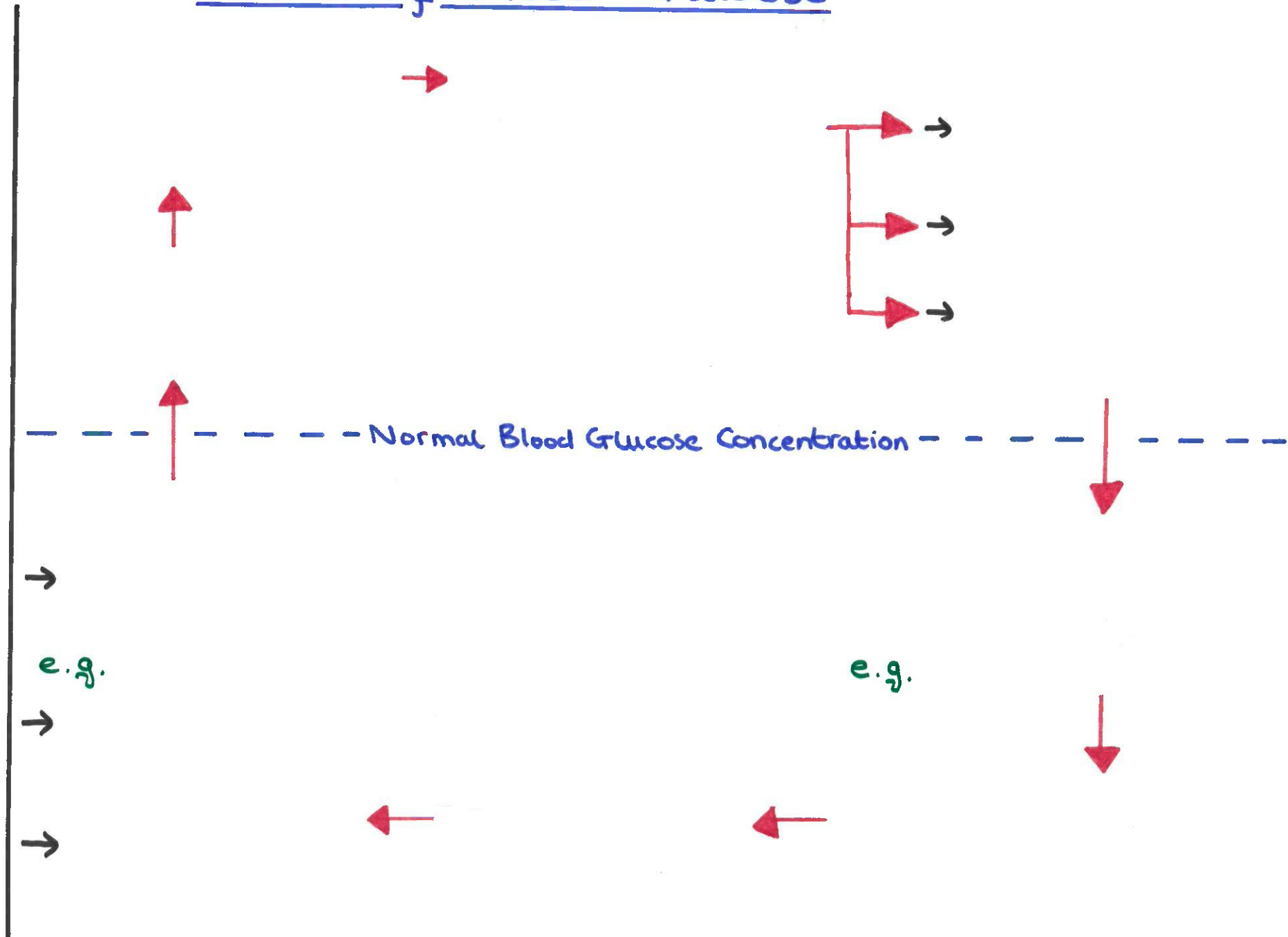
The Pancreas





Control of Blood Glucose

- 1
- 2
- 3
- 4
- 5





Control of Insulin Secretion

1 2 3 4 5

Normal Blood Glucose Levels

High Blood Glucose Levels





Glycogenolysis, Glycogenesis & Gluconeogenesis

- 1
- 2
- 3
- 4
- 5

Blood glucose
HIGH

==
==
==



e.g.

Blood glucose
LOW



Insulin, Glucagon & Adrenaline

- 1
- 2
- 3
- 4
- 5

Secreted by			
When blood glucose is...			
Attaches to receptors			
Effect on blood glucose			
Mechanisms	① ② ③ e.g.	Activates Inhibits	① ② ③

* → →



Diabetes

Diabetes Mellitus

Hyperglycaemia

Causes

→

→

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→

→

→

Age

Effect on
blood glucose

→

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↳

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↳

Hyperglycaemia

Treatments

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Drugs to →

→

→

→



Treatments of Diabetes Mellitus

1 2 3 4 5

Genetically Modified Bacteria

Using Stem Cells

