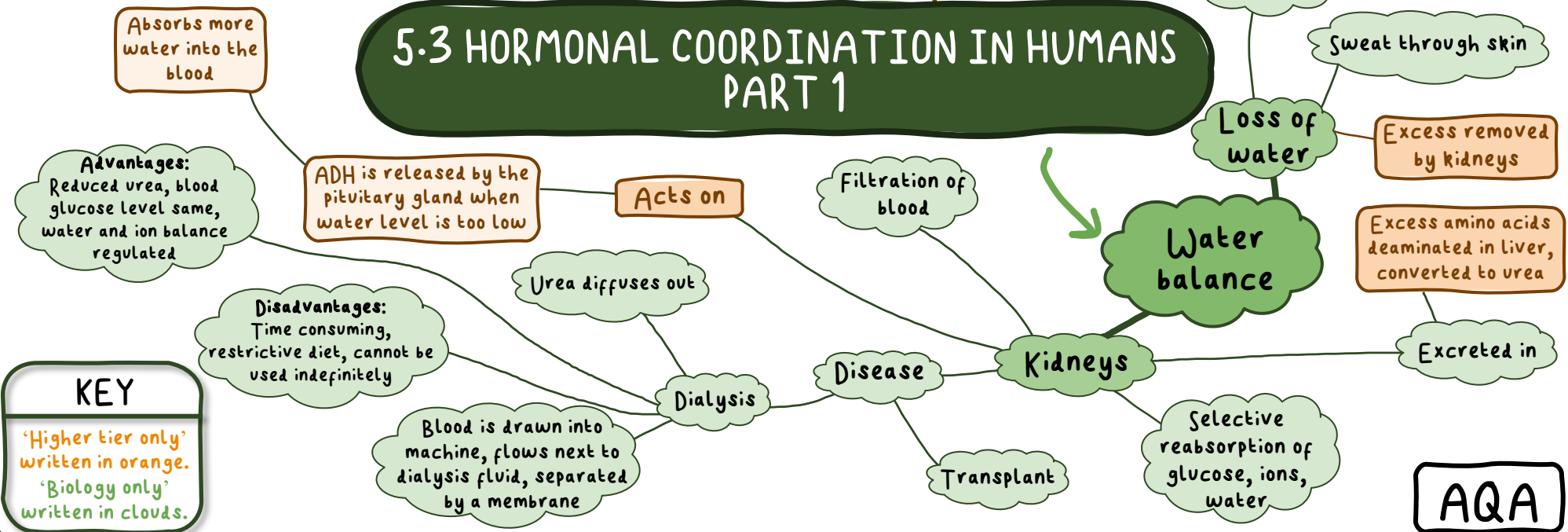
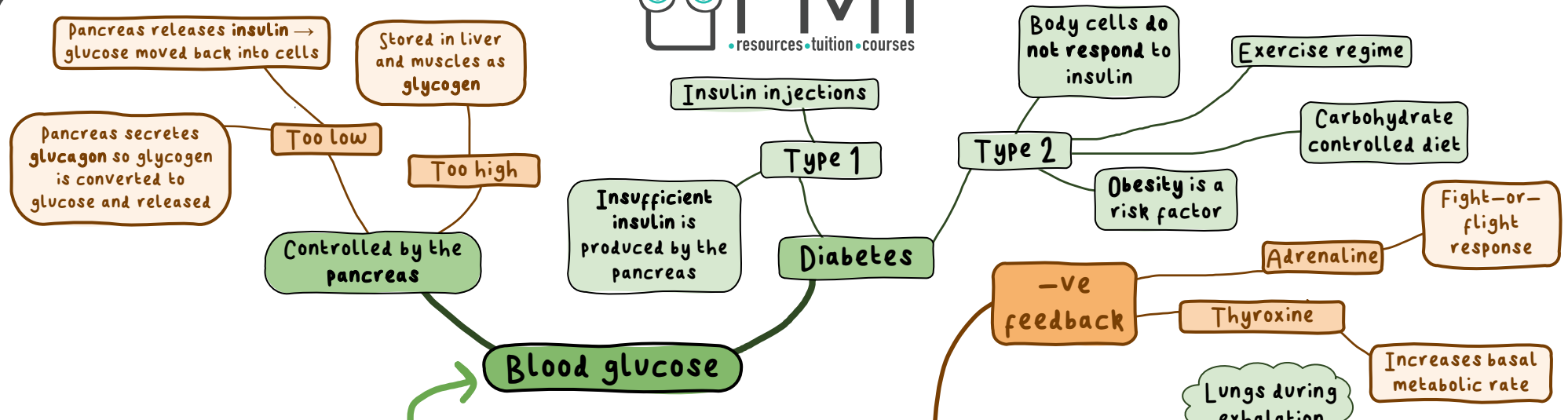


# 5.3 HORMONAL COORDINATION IN HUMANS PART 1



**KEY**

'Higher tier only' written in orange.

'Biology only' written in clouds.

**AQA**



# 5.3 HORMONAL COORDINATION IN HUMANS PART 2

## Reproduction

Oestrogen: Stimulates ovulation

Testosterone: Sperm production

Secondary sexual characteristics at puberty

Oestrogen + progesterone: maintains uterine lining

HT: Oestrogen stimulates the release of LH

FSH: maturation of an egg in the ovary

LH: stimulates release of an egg

## Menstrual Cycle

FSH stimulates the release of oestrogen from a mature egg

FSH + LH given to stimulate maturation of eggs, which are collected and fertilised

## IVF

Embryos are then injected into mother's uterus

## Disadvantages

Stress

Low success rate

Risk of multiple births

## Contraception

Oral contraception: inhibits FSH

Surgical sterilisation

Intrauterine device

Barrier e.g. condom, prevent meeting of sperm and egg

Spermicidal agents

Abstaining from sex around ovulation

Injection, implant, patch of slow release progesterone

**KEY**  
'Higher tier only' written in orange.

**AQA**

