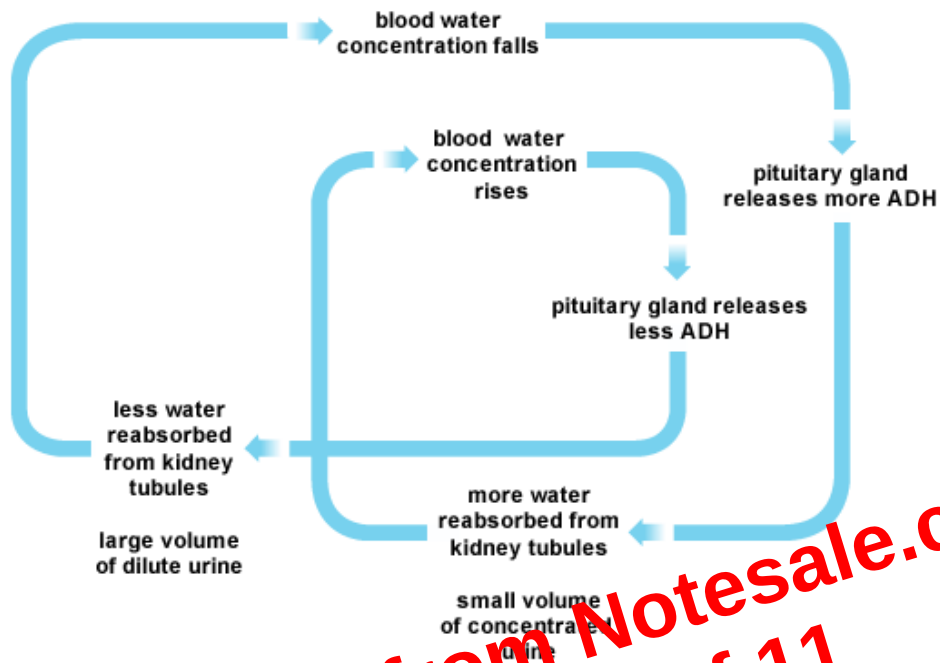


Unit 12 – Assignment 3- M4

Negative homeostatic feedback - Osmoregulation



http://www.bbc.co.uk/1/health/higher/biology/control_regulation/homeostatic_control/revision/1/

The pituitary gland is the gland that controls blood water concentration. This gland also produces the hormone ADH. The blood carries the hormone ADH to the kidneys. This hormone increases the permeability of the kidney tubules. This allows water to be reabsorbed from the tubules into the blood. Should the blood water concentration decrease, then more water reabsorption would be required. This is so that less water is lost as urine. As a result, the production of ADH is increased. On the other hand, should the blood water concentration increase, then less water reabsorption would be required. This is so that more water is lost as urine. As a result, the production of ADH is decreased.

Positive homeostatic feedback - Childbirth