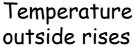
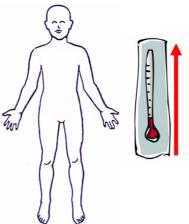
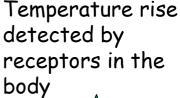
Temperature Control





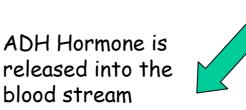


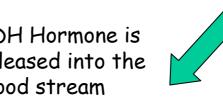
Basal body temperature rises

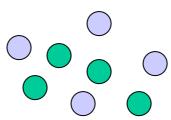




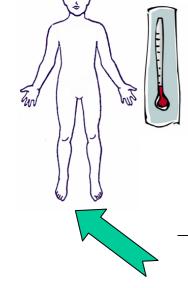




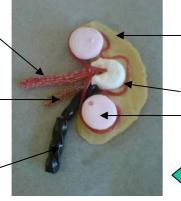




Receptors send messages to the brain. The brain senses the need to retain water to cool down the body.

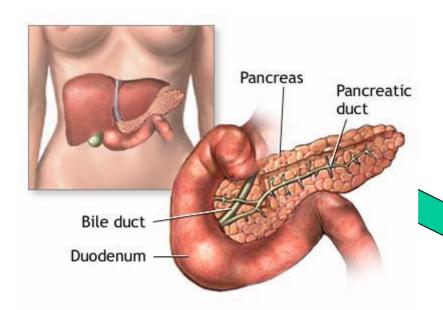


Basal body temperature returns to normal



ADH causes the membrane of the kidney to become more permeable to water. Body retains water and less is lost in urine.

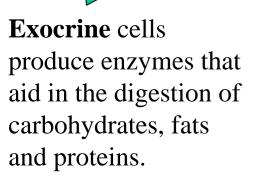
Cortex Medulla Renal Artery_ Capillaries Renal Vein Urethra



Controlling digestion and body's energy source



The pancreas is a gland organ in the digestive and endocrine systems.



Endocrine cells produce hormones that regulate the body's main energy source, glucose (blood sugar). These hormones include insulin, which lowers glucose levels by moving it into cell.

