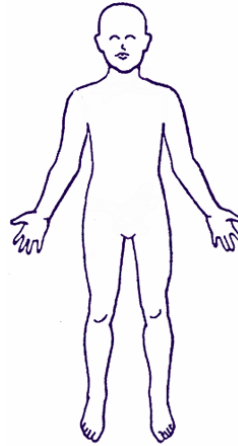


Temperature Control



Temperature outside rises



Basal body temperature rises



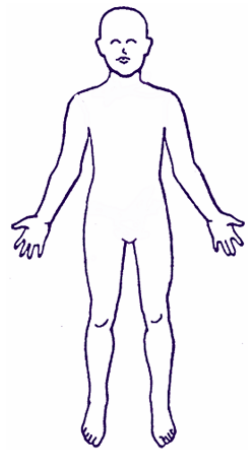
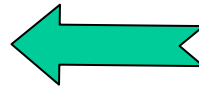
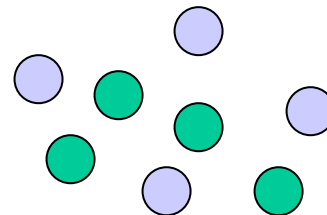
Temperature rise detected by receptors in the body



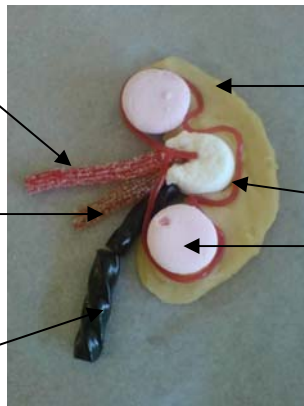
Receptors send messages to the brain. The brain senses the need to retain water to cool down the body.



ADH Hormone is released into the blood stream



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.

Medulla

Cortex

Renal
Artery

Capillaries

Renal
Vein

Urethra

