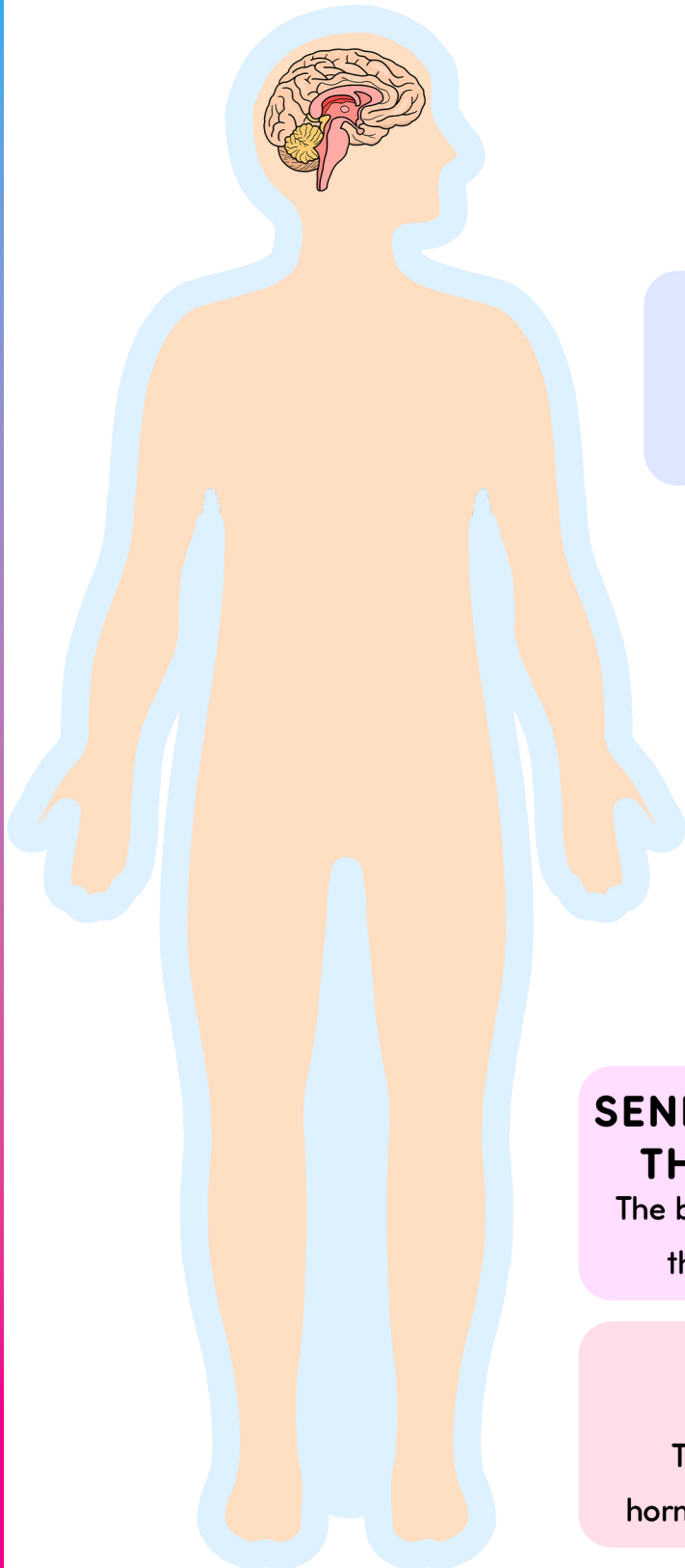


FUNCTIONS OF THE BRAIN



CONTROLS THINKING AND MOVEMENT

The **cerebrum** manages complex thoughts, emotions, and voluntary muscle movements.

BALANCES AND COORDINATES THE BODY

The **cerebellum** is crucial for maintaining balance, posture, and coordination.

REGULATES AUTOMATIC FUNCTIONS

The **brain stem** manages involuntary activities essential for life, such as breathing and heartbeat.

PROCESSES SENSES

The **cerebrum** contains specialized lobes that interpret visual, auditory, and tactile sensations from the body.

SENDS AND RECEIVES MESSAGES THROUGH THE SPINAL CORD

The brain connects to the rest of the body through the **spinal cord** to send command signals.

RELEASES HORMONES THAT CONTROL GROWTH

The **hypothalamus** signals glands to release hormones for growth and other bodily processes.