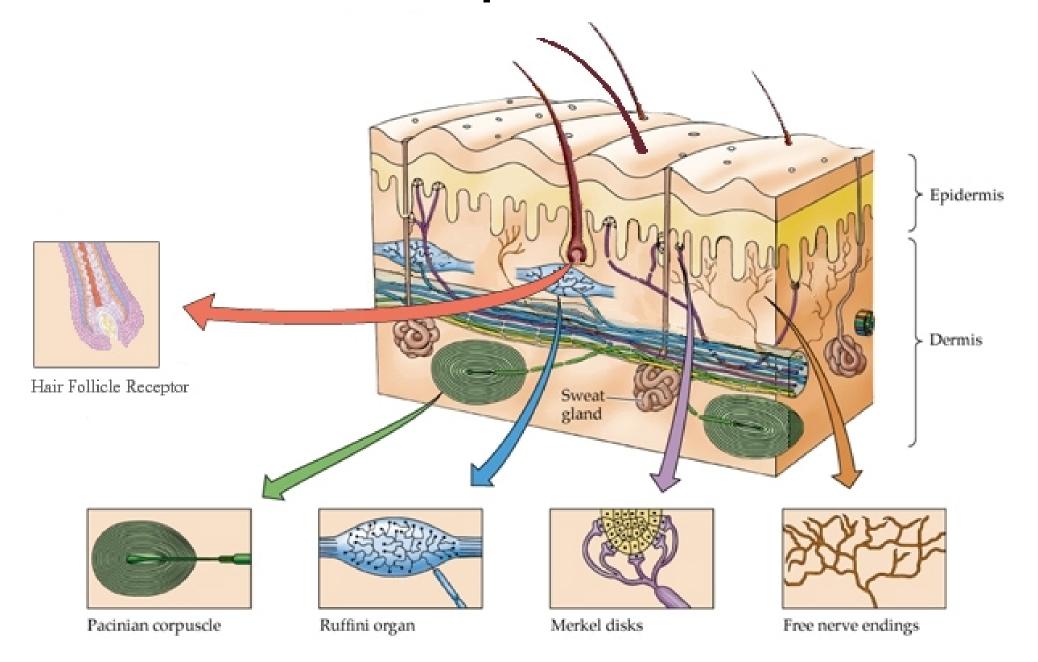
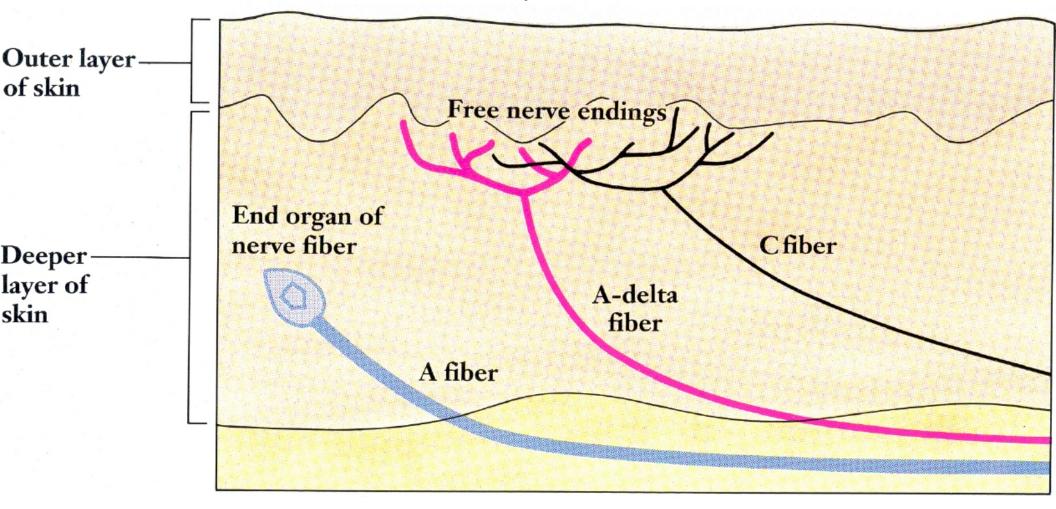


Mechanoreceptors of the Skin



Pain Receptors in the Skin

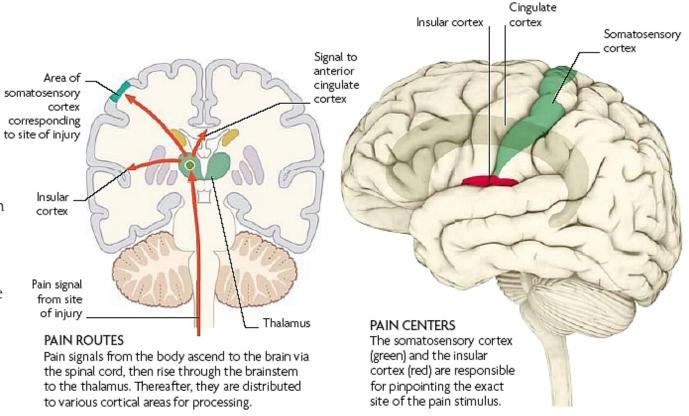


Spinal cord-

A-delta fiber

PATHWAY OF PAIN

Pain signals are transmitted to several areas of the cortex, where they activate neurons that monitor the state of the body. Two such areas are the somatosensory cortex, which lets the brain know which part of the body the pain stems from, and the insular cortex—the deep fold that divides the temporal and frontal lobes. The other cortical site associated with pain experience is the anterior (front) of the cingulate cortex (ACC), which lies in the groove between the hemispheres. The ACC seems to be particularly concerned with the emotional significance of pain and with determining how much attention an injury should command.



Organization of the Primary Motor Cortex and Somatosensory Cortex

