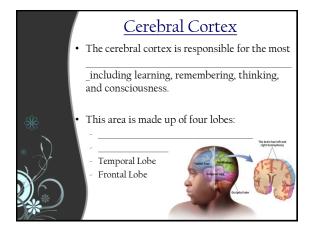
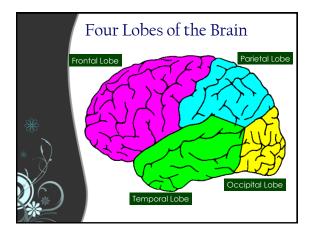


- Making them more adaptable.

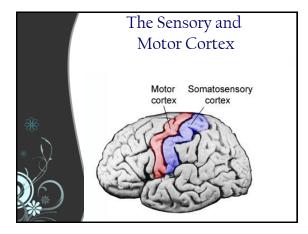
• The brain of an elephant weighs about 10.5 lbs and an adult human brain weighs about 3 lbs.

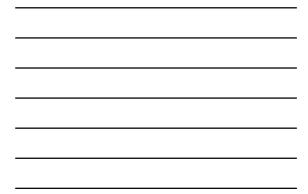
- Einstein's brain was similar in size to other humans except in the region that is responsible for math and spatial perception. In that region, his brain was 35% wider than average.
- $^\circ\,$ The total surface area of the cerebral cortex is about 2500 sq. cm (-2.5 sq. ft).
- Your brain consists of about 100 billion neurons.

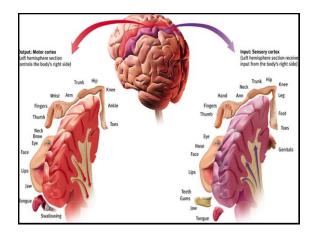








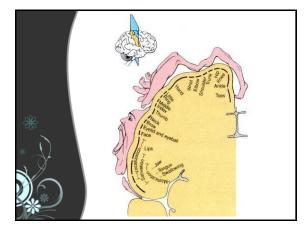




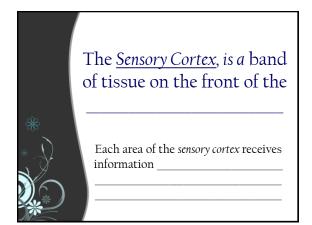


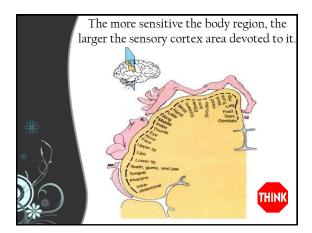
Motor Cortex

- The Motor Cortex is the area at the rear of the frontal lobes that control
- Each area of the motor cortex controls a
 - Larger areas are devoted to precise movements of the tongue and fingers
 - Smaller areas are devoted to movements of the shoulders and elbows

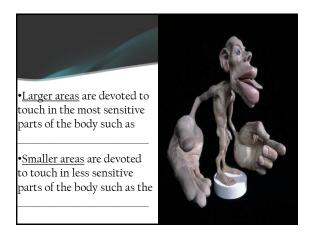


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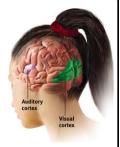




Sensory Cortex

- Visual information is received in the
- Sound is processed in the

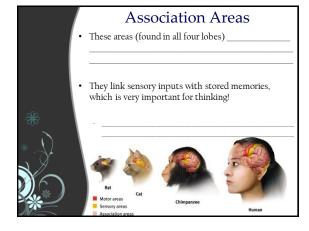
by the temporal lobe





The brain controls the sensation and the movements of the body

Each body part will always have an area of cortex devoted to its movements and sensation



Association Areas

- These areas in the *frontal lobes* are involved in higher cognitive functions such as _____
 - reasoning skills are associated with the parietal lobes
- The right *temporal lobe* enables us to ______

•

