

## Central Nervous System: brain and spinal cord

### 1. Cerebral Cortex

**1a. frontal lobe**– front section of the cerebral cortex associated with higher reasoning, voluntary body movements and speech.

**1b. temporal lobe**– bottom section of the cerebral cortex associated with memories and the perception of sounds and language.

**1c. parietal lobe**– middle section of the cerebral cortex associated with the perception of touch, pressure and pain.

**1d. occipital lobe**– back section of the cerebral cortex associated with visual perception.

**2. Cerebellum**– controls balance and coordination of body movements.

**3. Brain Stem**– controls breathing, blood pressure, heart rate and other involuntary vital functions of the body.

**4. Spinal Cord**– transmits signals between the brain and the rest of the body.

