

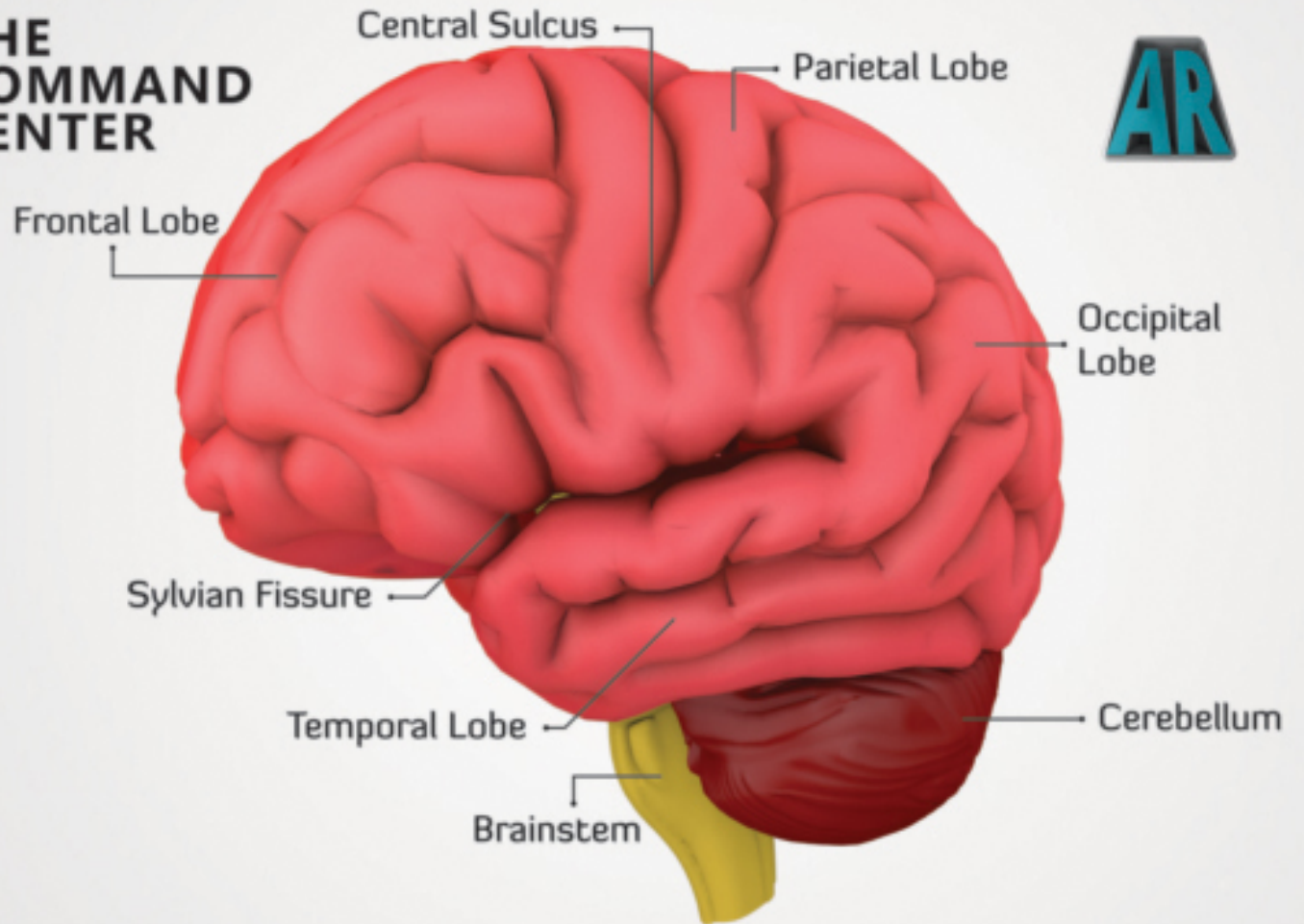
BRAIN THE COMMAND CENTER

Brain is one of the largest and most complex organs in the human body. It is made up of more than 100 billion neurons. They communicate through trillions of connections called **synapses**.

An adult human brain weighs around 1.5 kilograms. The 100 billion nerve cells (neurons) are referred as the **grey matter** and the billions of nerve fibers (axons and dendrites) are referred as the **white matter**.

CEREBRUM

The largest part of the human brain is the **cerebrum**, which is divided into two hemispheres. The outermost layer of the cerebrum is the **cerebral cortex**. It consists of four lobes: the **frontal lobe**, the **parietal lobe**, the **temporal lobe** and the **occipital lobe**. There are numerous deep groves called cerebral fissures that originate in the foldings of the brain surface. One such fissure between frontal lobe and temporal lobe is the **sylvian fissure**.



CEREBELLUM

Cerebellum is located at the back of the brain, beneath the occipital and temporal lobes. It contains over 50% of the total number of neurons in the brain.

BRAINSTEM

Brainstem connects to the spinal cord and consists of the **medulla oblongata**, **pons** and **midbrain**.

The brain is more active at night than during the day.

Did You KNOW?