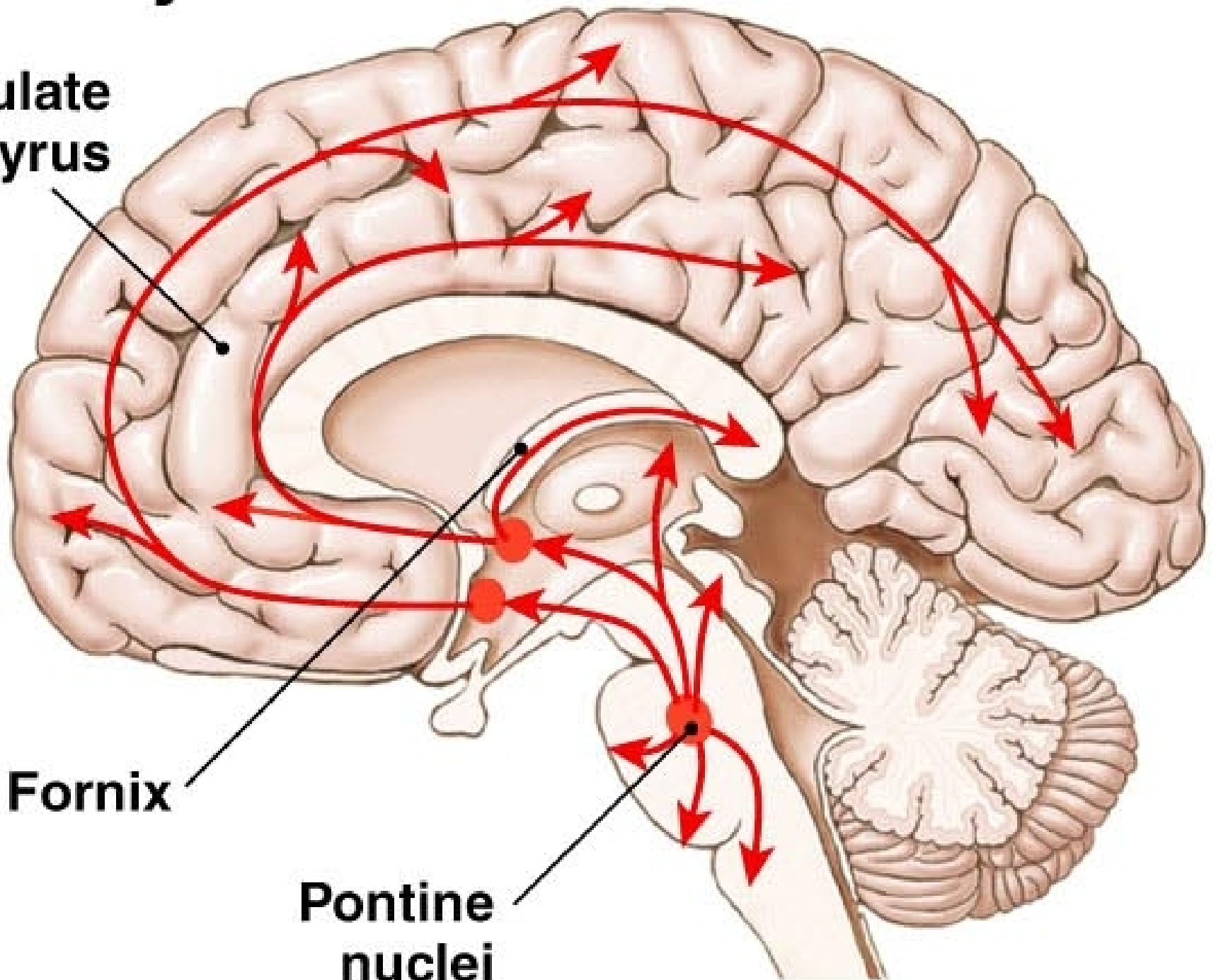


● **Acetylcholine**

**Cingulate  
gyrus**

**Fornix**

**Pontine  
nuclei**



# Acetylcholine

Voluntary Muscle Control  
Arousal, Cognition and Memory

Primarily found in neurons of the motor cortex (frontal lobes)  
and the somatic nervous system.

Blocking acetylcholine results in muscle paralysis,  
including the diaphragm.

Curare, insecticides, and nerve gases have their effects  
by way of blocking normal acetylcholine functioning.

Certain cholinergic pathways active during REM sleep.

Implicated in Alzheimer's Disease.

● **Acetylcholine**

**Cingulate  
gyrus**

**Fornix**

**Pontine  
nuclei**

